

# Flyleaf

## AgraQuant® Walnut

### 10002030

Date of compilation: 27.02.2024

#### Bill of materials

| Name of substance                                           | Identifier              | Number of pieces | Classification acc. to GHS | Pictograms | Page    |
|-------------------------------------------------------------|-------------------------|------------------|----------------------------|------------|---------|
| AgraQuant® Walnut Enzyme Conjugate                          | Article number 10003905 | 1                |                            |            | 2 – 12  |
| AgraQuant® Substrate                                        | Article number 10003906 | 1                |                            |            | 13 – 22 |
| AgraQuant® Stop Solution                                    | Article number 10003907 | 1                | Aquatic Chronic 3 / H412   |            | 23 – 36 |
| AgraQuant® Walnut Wash Buffer (10x)                         | Article number 10003908 | 1                |                            |            | 37 – 46 |
| AgraQuant® Walnut Extraction & Sample Dilution Buffer (10x) | Article number 10004239 | 1                |                            |            | 47 – 56 |
| AgraQuant® Walnut Standard 60ppm                            | Article number 10004948 | 5                |                            |            | 57 – 66 |

## AgraQuant® Walnut Enzyme Conjugate

version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

Revision: 27.02.2024

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name **AgraQuant® Walnut Enzyme Conjugate**  
Article number 10003905

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Laboratory and analytical use  
Uses advised against Do not use for private purposes (household).

#### 1.3 Details of the supplier of the safety data sheet

Romer Labs® Division Holding GmbH  
Erber Campus 1  
3131  
Getzersdorf  
Austria  
Telephone: +43 2782 803 0  
e-mail: Office.RomerLabsEU@dsm-firmenich.com  
Website: www.romerlabs.com

Additional information

| Manufacturer |                                  |              |                    |                   |                                      |
|--------------|----------------------------------|--------------|--------------------|-------------------|--------------------------------------|
| Country      | Name                             | Street       | Postal code / city | Telephone         | e-Mail                               |
| Austria      | Romer Labs Division Holding GmbH | Technopark 5 | 3430 Tulln         | +43 2272 615 33 0 | Office.RomerLabsEU@dsm-firmenich.com |

#### 1.4 Emergency telephone number

Emergency information service +43 2782 803 0  
Mon - Thu 09:00 - 16:00, Fri 09:00 - 12:00, GMT+1

| Poison centre |                                 |                       |
|---------------|---------------------------------|-----------------------|
| Country       | Name                            | Telephone             |
| Austria       | Vergiftungsinformationszentrale | +43 1 406 43 43 (24h) |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification acc. to GHS  
This mixture does not meet the criteria for classification.

#### 2.2 Label elements

Labelling  
- Signal word not required  
- Pictograms not required

#### 2.3 Other hazards

Hazards not otherwise classified  
Safety data sheet available on request.

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Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

Description of the mixture

Not safety-relevant.

| Name of substance                 | Identifier          | Wt%     | Classification acc. to GHS                 | Pictograms                                                                          |
|-----------------------------------|---------------------|---------|--------------------------------------------|-------------------------------------------------------------------------------------|
| 4-morpholinopropanesulphonic acid | CAS No<br>1132-61-2 | 1 – < 5 | Acute Tox. 4 / H302<br>Acute Tox. 4 / H312 |  |

| Name of substance                 | Specific Conc. Limits | M-Factors | ATE                      | Exposure route |
|-----------------------------------|-----------------------|-----------|--------------------------|----------------|
| 4-morpholinopropanesulphonic acid | -                     | -         | 500 mg/kg<br>1,100 mg/kg | oral<br>dermal |

Hazardous ingredients, Consideration of other advice

none

#### Remarks

For full text of abbreviations: see SECTION 16

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

#### 4.3 Indication of any immediate medical attention and special treatment needed

none

## AgraQuant® Walnut Enzyme Conjugate

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media

Water jet

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

#### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

#### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

#### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

#### 7.2 Conditions for safe storage, including any incompatibilities

Control of effects

Protect against external exposure, such as  
frost

#### 7.3 Specific end use(s)

See section 16 for a general overview.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)  
this information is not available

#### 8.2 Exposure controls

Appropriate engineering controls

Use local and general ventilation.

Individual protection measures (personal protective equipment)



Skin protection

- Hand protection

Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Wash hands thoroughly after handling.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

|                                                          |                 |
|----------------------------------------------------------|-----------------|
| Physical state                                           | liquid          |
| Colour                                                   | not determined  |
| Odour                                                    | characteristic  |
| Melting point/freezing point                             | not determined  |
| Boiling point or initial boiling point and boiling range | 100 °C          |
| Flammability                                             | non-combustible |
| Lower and upper explosion limit                          | not determined  |
| Flash point                                              | not determined  |
| Auto-ignition temperature                                | not determined  |
| Decomposition temperature                                | not relevant    |
| pH (value)                                               | 6.2 – 7.2       |
| Kinematic viscosity                                      | not determined  |

#### Solubility(ies)

|                  |                            |
|------------------|----------------------------|
| Water solubility | miscible in any proportion |
|------------------|----------------------------|

#### Partition coefficient

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---------------------------------------------------|-----------------------------------|

|                 |                 |
|-----------------|-----------------|
| Vapour pressure | 23 hPa at 20 °C |
|-----------------|-----------------|

#### Density and/or relative density

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Density                 | not determined                                |
| Relative vapour density | information on this property is not available |

|                          |                       |
|--------------------------|-----------------------|
| Particle characteristics | not relevant (liquid) |
|--------------------------|-----------------------|

#### 9.2 Other information

|                                                    |                                                             |
|----------------------------------------------------|-------------------------------------------------------------|
| Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards): not relevant |
|----------------------------------------------------|-------------------------------------------------------------|

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### Other safety characteristics

|             |                                 |
|-------------|---------------------------------|
| Miscibility | Completely miscible with water. |
|-------------|---------------------------------|

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

Oxidisers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification acc. to GHS

This mixture does not meet the criteria for classification.

#### Acute toxicity

Shall not be classified as acutely toxic.

| Acute toxicity estimate (ATE) of components |           |                |             |
|---------------------------------------------|-----------|----------------|-------------|
| Name of substance                           | CAS No    | Exposure route | ATE         |
| 4-morpholinopropanesulphonic acid           | 1132-61-2 | oral           | 500 mg/kg   |
| 4-morpholinopropanesulphonic acid           | 1132-61-2 | dermal         | 1,100 mg/kg |

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

#### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

#### Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

#### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

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### Carcinogenicity

Shall not be classified as carcinogenic.

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## 11.2 Information on other hazards

There is no additional information.

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

## AgraQuant® Walnut Enzyme Conjugate

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### SECTION 14: Transport information

- 14.1 UN number or ID number** not subject to transport regulations
- 14.2 UN proper shipping name** not relevant
- 14.3 Transport hazard class(es)** none
- 14.4 Packing group** not assigned
- 14.5 Environmental hazards** non-environmentally hazardous acc. to the dangerous goods regulations
- 14.6 Special precautions for user**  
There is no additional information.
- 14.7 Maritime transport in bulk according to IMO instruments**  
The cargo is not intended to be carried in bulk.

#### Information for each of the UN Model Regulations

##### International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

##### International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

There is no additional information.

##### National inventories

| Country | Inventory  | Status                         |
|---------|------------|--------------------------------|
| EU      | REACH Reg. | not all ingredients are listed |
| US      | TSCA       | not all ingredients are listed |
| AU      | AIIC       | not all ingredients are listed |
| CA      | DSL        | not all ingredients are listed |
| CN      | IECSC      | all ingredients are listed     |
| EU      | ECSI       | all ingredients are listed     |
| JP      | CSCL-ENCS  | not all ingredients are listed |
| JP      | ISHA-ENCS  | not all ingredients are listed |
| KR      | KECI       | not all ingredients are listed |
| MX      | INSQ       | not all ingredients are listed |
| NZ      | NZIoC      | not all ingredients are listed |
| PH      | PICCS      | not all ingredients are listed |
| TR      | CICR       | not all ingredients are listed |
| TW      | TCSI       | all ingredients are listed     |

##### Legend

AIIC Australian Inventory of Industrial Chemicals

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version number GHS 3.0  
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### Legend

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| CICR       | Chemical Inventory and Control Regulation                               |
| CSCL-ENCS  | List of Existing and New Chemical Substances (CSCL-ENCS)                |
| DSL        | Domestic Substances List (DSL)                                          |
| ECSI       | EC Substance Inventory (EINECS, ELINCS, NLP)                            |
| IECSC      | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ       | National Inventory of Chemical Substances                               |
| ISHA-ENCS  | Inventory of Existing and New Chemical Substances (ISHA-ENCS)           |
| KECI       | Korea Existing Chemicals Inventory                                      |
| NZIoC      | New Zealand Inventory of Chemicals                                      |
| PICCS      | Philippine Inventory of Chemicals and Chemical Substances (PICCS)       |
| REACH Reg. | REACH registered substances                                             |
| TCSI       | Taiwan Chemical Substance Inventory                                     |
| TSCA       | Toxic Substance Control Act                                             |

### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Indication of changes (revised safety data sheet)

| Section | Former entry (text/value)                                                                                                                                                                                                                    | Actual entry (text/value)                                                                                                                                                                                                                             | Safety-relevant |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1.3     | Details of the supplier of the safety data sheet:<br>Romer Labs® Division Holding GmbH<br>Erber Campus 1<br>3131<br>Getzersdorf<br>Austria<br>Telephone: +43 2782 803 0<br>e-mail: office-europe@romerlabs.com<br>Website: www.romerlabs.com | Details of the supplier of the safety data sheet:<br>Romer Labs® Division Holding GmbH<br>Erber Campus 1<br>3131<br>Getzersdorf<br>Austria<br>Telephone: +43 2782 803 0<br>e-mail: Office.RomerLabsEU@dsm-firmenich.com<br>Website: www.romerlabs.com | yes             |
| 1.3     |                                                                                                                                                                                                                                              | Manufacturer:<br>change in the listing (table)                                                                                                                                                                                                        | yes             |
| 2.3     | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$ .                                                                                                                       | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$ .                                                                                                                                 | yes             |
| 3.2     | Hazardous ingredients, Consideration of other advice:<br>noneFor full text of abbreviations: see SECTION 16.                                                                                                                                 | Hazardous ingredients, Consideration of other advice:<br>none                                                                                                                                                                                         | yes             |
| 3.2     |                                                                                                                                                                                                                                              | Remarks:<br>For full text of abbreviations: see SECTION 16                                                                                                                                                                                            | yes             |
| 5.1     | Suitable extinguishing media:<br>Water spray, BC-powder, Carbon dioxide (CO <sub>2</sub> )                                                                                                                                                   | Suitable extinguishing media:<br>Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO <sub>2</sub> )                                                                                                                                    | yes             |
| 9.1     | Flammability:<br>this material is combustible, but will not ignite readily                                                                                                                                                                   | Flammability:<br>non-combustible                                                                                                                                                                                                                      | yes             |
| 9.1     | pH (value):<br>not determined                                                                                                                                                                                                                | pH (value):<br>6.2 – 7.2                                                                                                                                                                                                                              | yes             |
| 9.1     | Solubility(ies):<br>not determined                                                                                                                                                                                                           | Solubility(ies)                                                                                                                                                                                                                                       | yes             |
| 9.1     |                                                                                                                                                                                                                                              | Water solubility:<br>miscible in any proportion                                                                                                                                                                                                       | yes             |
| 9.2     | Flammable liquids                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                       | yes             |
| 9.2     | Sustained combustibility:<br>yes (sustained combustion was observed)                                                                                                                                                                         |                                                                                                                                                                                                                                                       | yes             |

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

## AgraQuant® Walnut Enzyme Conjugate

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| Section | Former entry (text/value)                                                                                                                                                                             | Actual entry (text/value)                                                                                                                                                                             | Safety-relevant |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 9.2     | Other safety characteristics:<br>there is no additional information                                                                                                                                   | Other safety characteristics                                                                                                                                                                          | yes             |
| 9.2     |                                                                                                                                                                                                       | Miscibility:<br>Completely miscible with water.                                                                                                                                                       | yes             |
| 12.5    | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$ . | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$ . | yes             |
| 12.6    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$ .                                                                                | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$ .                                                                                 | yes             |
| 16      |                                                                                                                                                                                                       | Abbreviations and acronyms:<br>change in the listing (table)                                                                                                                                          | yes             |
| 16      | Disclaimer:<br>This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.<br>© 2022 Romer Labs                            | Disclaimer:<br>This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.<br>© 2024 Romer Labs                            | yes             |

### Abbreviations and acronyms

| Abbr.      | Descriptions of used abbreviations                                                                        |
|------------|-----------------------------------------------------------------------------------------------------------|
| Acute Tox. | Acute toxicity                                                                                            |
| ATE        | Acute Toxicity Estimate                                                                                   |
| CAS        | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)    |
| DGR        | Dangerous Goods Regulations (see IATA/DGR)                                                                |
| ED         | Endocrine disruptor                                                                                       |
| EINECS     | European Inventory of Existing Commercial Chemical Substances                                             |
| ELINCS     | European List of Notified Chemical Substances                                                             |
| GHS        | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA       | International Air Transport Association                                                                   |
| IATA/DGR   | Dangerous Goods Regulations (DGR) for the air transport (IATA)                                            |
| ICAO       | International Civil Aviation Organization                                                                 |
| IMDG       | International Maritime Dangerous Goods Code                                                               |
| NLP        | No-Longer Polymer                                                                                         |
| PBT        | Persistent, Bioaccumulative and Toxic                                                                     |
| REACH      | Registration, Evaluation, Authorisation and Restriction of Chemicals                                      |
| vPvB       | Very Persistent and very Bioaccumulative                                                                  |

### Key literature references and sources for data

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

## AgraQuant® Walnut Enzyme Conjugate

version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

Revision: 27.02.2024

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text                          |
|------|-------------------------------|
| H302 | Harmful if swallowed.         |
| H312 | Harmful in contact with skin. |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

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## AgraQuant® Substrate

version number GHS 3.1  
replaces version of 13.02.2023 (GHS 2)

Revision: 27.02.2024

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name **AgraQuant® Substrate**  
Article number 10003906

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Laboratory and analytical use  
Uses advised against Do not use for private purposes (household).

#### 1.3 Details of the supplier of the safety data sheet

Romer Labs® Division Holding GmbH  
Erber Campus 1  
3131  
Getzersdorf  
Austria  
Telephone: +43 2782 803 0  
e-mail: Office.RomerLabsEU@dsm-firmenich.com  
Website: www.romerlabs.com

Additional information

| Manufacturer |                                  |              |                    |                   |                                      |
|--------------|----------------------------------|--------------|--------------------|-------------------|--------------------------------------|
| Country      | Name                             | Street       | Postal code / city | Telephone         | e-Mail                               |
| Austria      | Romer Labs Division Holding GmbH | Technopark 5 | 3430 Tulln         | +43 2272 615 33 0 | Office.RomerLabsEU@dsm-firmenich.com |

#### 1.4 Emergency telephone number

Emergency information service +43 2782 803 0  
Mon - Thu 09:00 - 16:00, Fri 09:00 - 12:00, GMT+1

| Poison centre |                                 |                       |
|---------------|---------------------------------|-----------------------|
| Country       | Name                            | Telephone             |
| Austria       | Vergiftungsinformationszentrale | +43 1 406 43 43 (24h) |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification acc. to GHS  
This mixture does not meet the criteria for classification.

#### 2.2 Label elements

Labelling  
not required

#### 2.3 Other hazards

Results of PBT and vPvB assessment  
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## AgraQuant® Substrate

version number GHS 3.1  
replaces version of 13.02.2023 (GHS 2)

Revision: 27.02.2024

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

Description of the mixture

Not safety-relevant.

Hazardous ingredients, Consideration of other advice

none

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

#### 4.3 Indication of any immediate medical attention and special treatment needed

none

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media

Water jet

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>)

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### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

Control of effects

Protect against external exposure, such as

frost

### 7.3 Specific end use(s)

See section 16 for a general overview.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)  
this information is not available

#### 8.2 Exposure controls

Appropriate engineering controls  
Use local and general ventilation.

Individual protection measures (personal protective equipment)



Skin protection

##### - Hand protection

Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### - Other protection measures

Take recovery periods for skin regeneration. Wash hands thoroughly after handling.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

|                                                          |                 |
|----------------------------------------------------------|-----------------|
| Physical state                                           | liquid          |
| Colour                                                   | not determined  |
| Odour                                                    | characteristic  |
| Melting point/freezing point                             | not determined  |
| Boiling point or initial boiling point and boiling range | 100 °C          |
| Flammability                                             | non-combustible |
| Lower and upper explosion limit                          | not determined  |
| Flash point                                              | not determined  |
| Auto-ignition temperature                                | not determined  |
| Decomposition temperature                                | not relevant    |
| pH (value)                                               | 3.3 – 3.8       |
| Kinematic viscosity                                      | not determined  |

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### Solubility(ies)

|                  |                            |
|------------------|----------------------------|
| Water solubility | miscible in any proportion |
|------------------|----------------------------|

### Partition coefficient

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---------------------------------------------------|-----------------------------------|

|                 |                 |
|-----------------|-----------------|
| Vapour pressure | 23 hPa at 20 °C |
|-----------------|-----------------|

### Density and/or relative density

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Density                 | not determined                                |
| Relative vapour density | information on this property is not available |

|                          |                       |
|--------------------------|-----------------------|
| Particle characteristics | not relevant (liquid) |
|--------------------------|-----------------------|

## 9.2 Other information

|                                                    |                                                             |
|----------------------------------------------------|-------------------------------------------------------------|
| Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards): not relevant |
|----------------------------------------------------|-------------------------------------------------------------|

### Other safety characteristics

|             |                                 |
|-------------|---------------------------------|
| Miscibility | Completely miscible with water. |
|-------------|---------------------------------|

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

There is no additional information.

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

##### Classification acc. to GHS

This mixture does not meet the criteria for classification.

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

#### 11.2 Information on other hazards

There is no additional information.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

#### 12.2 Persistence and degradability

Data are not available.

#### 12.3 Bioaccumulative potential

Data are not available.

#### 12.4 Mobility in soil

Data are not available.

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### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

|                                                                     |                                                                       |
|---------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>14.1 UN number or ID number</b>                                  | not subject to transport regulations                                  |
| <b>14.2 UN proper shipping name</b>                                 | not relevant                                                          |
| <b>14.3 Transport hazard class(es)</b>                              | none                                                                  |
| <b>14.4 Packing group</b>                                           | not assigned                                                          |
| <b>14.5 Environmental hazards</b>                                   | non-environmentally hazardous acc. to the dangerous goods regulations |
| <b>14.6 Special precautions for user</b>                            | There is no additional information.                                   |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | The cargo is not intended to be carried in bulk.                      |

### Information for each of the UN Model Regulations

#### **International Maritime Dangerous Goods Code (IMDG) - Additional information**

Not subject to IMDG.

#### **International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

Not subject to ICAO-IATA.

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

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### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

There is no additional information.

##### National inventories

| Country | Inventory | Status                              |
|---------|-----------|-------------------------------------|
| US      | TSCA      | all ingredients are listed (ACTIVE) |
| AU      | AIIC      | all ingredients are listed          |
| CA      | DSL       | all ingredients are listed          |
| CN      | IECSC     | all ingredients are listed          |
| EU      | ECSI      | all ingredients are listed          |
| JP      | CSCL-ENCS | not all ingredients are listed      |
| JP      | ISHA-ENCS | not all ingredients are listed      |
| KR      | KECI      | not all ingredients are listed      |
| MX      | INSQ      | not all ingredients are listed      |
| NZ      | NZIoC     | all ingredients are listed          |
| PH      | PICCS     | not all ingredients are listed      |
| TW      | TCSI      | all ingredients are listed          |

##### Legend

|           |                                                                         |
|-----------|-------------------------------------------------------------------------|
| AIIC      | Australian Inventory of Industrial Chemicals                            |
| CSCL-ENCS | List of Existing and New Chemical Substances (CSCL-ENCS)                |
| DSL       | Domestic Substances List (DSL)                                          |
| ECSI      | EC Substance Inventory (EINECS, ELINCS, NLP)                            |
| IECSC     | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ      | National Inventory of Chemical Substances                               |
| ISHA-ENCS | Inventory of Existing and New Chemical Substances (ISHA-ENCS)           |
| KECI      | Korea Existing Chemicals Inventory                                      |
| NZIoC     | New Zealand Inventory of Chemicals                                      |
| PICCS     | Philippine Inventory of Chemicals and Chemical Substances (PICCS)       |
| TCSI      | Taiwan Chemical Substance Inventory                                     |
| TSCA      | Toxic Substance Control Act                                             |

#### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Indication of changes (revised safety data sheet)

| Section | Former entry (text/value)                                                                                                                                                                                                                    | Actual entry (text/value)                                                                                                                                                                                                                             | Safety-relevant |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1.3     | Details of the supplier of the safety data sheet:<br>Romer Labs® Division Holding GmbH<br>Erber Campus 1<br>3131<br>Getzersdorf<br>Austria<br>Telephone: +43 2782 803 0<br>e-mail: office-europe@romerlabs.com<br>Website: www.romerlabs.com | Details of the supplier of the safety data sheet:<br>Romer Labs® Division Holding GmbH<br>Erber Campus 1<br>3131<br>Getzersdorf<br>Austria<br>Telephone: +43 2782 803 0<br>e-mail: Office.RomerLabsEU@dsm-firmenich.com<br>Website: www.romerlabs.com | yes             |
| 1.3     |                                                                                                                                                                                                                                              | Manufacturer:<br>change in the listing (table)                                                                                                                                                                                                        | yes             |

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| Section | Former entry (text/value)                                                                                                                                                                             | Actual entry (text/value)                                                                                                                                                                             | Safety-rel-<br>evant |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 2.3     | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$ .                                                                                | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$ .                                                                                 | yes                  |
| 5.1     | Suitable extinguishing media:<br>Water spray, BC-powder, Carbon dioxide (CO <sub>2</sub> )                                                                                                            | Suitable extinguishing media:<br>Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO <sub>2</sub> )                                                                                    | yes                  |
| 9.1     | pH (value):<br>not determined                                                                                                                                                                         | pH (value):<br>3.3 – 3.8                                                                                                                                                                              | yes                  |
| 9.1     | Solubility(ies):<br>not determined                                                                                                                                                                    | Solubility(ies)                                                                                                                                                                                       | yes                  |
| 9.1     |                                                                                                                                                                                                       | Water solubility:<br>miscible in any proportion                                                                                                                                                       | yes                  |
| 9.2     | Flammable liquids                                                                                                                                                                                     |                                                                                                                                                                                                       | yes                  |
| 9.2     | Sustained combustibility:<br>yes (sustained combustion was observed)                                                                                                                                  |                                                                                                                                                                                                       | yes                  |
| 9.2     | Other safety characteristics:<br>there is no additional information                                                                                                                                   | Other safety characteristics                                                                                                                                                                          | yes                  |
| 9.2     |                                                                                                                                                                                                       | Miscibility:<br>Completely miscible with water.                                                                                                                                                       | yes                  |
| 12.5    | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$ . | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$ . | yes                  |
| 12.6    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$ .                                                                                | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$ .                                                                                 | yes                  |
| 15.1    |                                                                                                                                                                                                       | National inventories:<br>change in the listing (table)                                                                                                                                                | yes                  |
| 16      |                                                                                                                                                                                                       | Abbreviations and acronyms:<br>change in the listing (table)                                                                                                                                          | yes                  |
| 16      | Disclaimer:<br>This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.<br>© 2022 Romer Labs                            | Disclaimer:<br>This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.<br>© 2024 Romer Labs                            | yes                  |

### Abbreviations and acronyms

| Abbr.    | Descriptions of used abbreviations                                                                        |
|----------|-----------------------------------------------------------------------------------------------------------|
| DGR      | Dangerous Goods Regulations (see IATA/DGR)                                                                |
| ED       | Endocrine disruptor                                                                                       |
| EINECS   | European Inventory of Existing Commercial Chemical Substances                                             |
| ELINCS   | European List of Notified Chemical Substances                                                             |
| GHS      | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA     | International Air Transport Association                                                                   |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA)                                            |
| ICAO     | International Civil Aviation Organization                                                                 |

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| Abbr. | Descriptions of used abbreviations                                   |
|-------|----------------------------------------------------------------------|
| IMDG  | International Maritime Dangerous Goods Code                          |
| NLP   | No-Longer Polymer                                                    |
| PBT   | Persistent, Bioaccumulative and Toxic                                |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| vPvB  | Very Persistent and very Bioaccumulative                             |

### Key literature references and sources for data

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.  
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.  
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## AgraQuant® Stop Solution

version number GHS 4.0  
replaces version of 13.02.2023 (GHS 3)

Revision: 27.02.2024

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name **AgraQuant® Stop Solution**  
Article number 10003907

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Laboratory and analytical use  
Uses advised against Do not use for private purposes (household).

#### 1.3 Details of the supplier of the safety data sheet

Romer Labs® Division Holding GmbH  
Erber Campus 1  
3131  
Getzersdorf  
Austria  
Telephone: +43 2782 803 0  
e-mail: Office.RomerLabsEU@dsm-firmenich.com  
Website: www.romerlabs.com

Additional information

| Manufacturer |                                  |              |                    |                   |                                      |
|--------------|----------------------------------|--------------|--------------------|-------------------|--------------------------------------|
| Country      | Name                             | Street       | Postal code / city | Telephone         | e-Mail                               |
| Austria      | Romer Labs Division Holding GmbH | Technopark 5 | 3430 Tulln         | +43 2272 615 33 0 | Office.RomerLabsEU@dsm-firmenich.com |

#### 1.4 Emergency telephone number

Emergency information service +43 2782 803 0  
Mon - Thu 09:00 - 16:00, Fri 09:00 - 12:00, GMT+1

| Poison centre |                                 |                       |
|---------------|---------------------------------|-----------------------|
| Country       | Name                            | Telephone             |
| Austria       | Vergiftungsinformationszentrale | +43 1 406 43 43 (24h) |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification acc. to GHS

| Section | Hazard class                                          | Category | Hazard class and category | Hazard statement |
|---------|-------------------------------------------------------|----------|---------------------------|------------------|
| 4.1C    | hazardous to the aquatic environment - chronic hazard | 3        | Aquatic Chronic 3         | H412             |

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects  
Spillage and fire water can cause pollution of watercourses.

#### 2.2 Label elements

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### Labelling

- Signal word not required
- Pictograms not required
- Hazard statements
  - H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
  - P273 Avoid release to the environment.
  - P501 Dispose of contents/container to industrial combustion plant.

### 2.3 Other hazards

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

Description of the mixture

| Name of substance   | Identifier          | Wt%     | Classification acc. to GHS                                                                   | Pictograms                                                                            |
|---------------------|---------------------|---------|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| sulphuric acid ...% | CAS No<br>7664-93-9 | 1 – < 5 | Acute Tox. 3 / H331<br>Skin Corr. 1A / H314<br>Eye Dam. 1 / H318<br>Aquatic Chronic 2 / H411 |  |

| Name of substance   | Specific Conc. Limits                                                                                                                                              | M-Factors | ATE                                                           | Exposure route                              |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------|---------------------------------------------|
| sulphuric acid ...% | Skin Corr. 1A; H314: $C \geq 15 \%$<br>Skin Irrit. 2; H315: $5 \% \leq C < 15 \%$<br>Eye Dam. 1; H318: $C \geq 15 \%$<br>Eye Irrit. 2; H319: $5 \% \leq C < 15 \%$ | -         | $3 \text{ mg}/_l/4\text{h}$<br>$0.85 \text{ mg}/_l/4\text{h}$ | inhalation: vapour<br>inhalation: dust/mist |

Hazardous ingredients, Consideration of other advice

none

### Remarks

For full text of abbreviations: see SECTION 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

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Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

### 4.3 Indication of any immediate medical attention and special treatment needed

none

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media

Water jet

### 5.2 Special hazards arising from the substance or mixture

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

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### 6.4 Reference to other sections

Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas. Never add water to this product.

- Handling of incompatible substances or mixtures

Do not mix with alkali.

- Keep away from

Caustic solutions

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

Control of effects

Protect against external exposure, such as frost

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

| Occupational exposure limit values (Workplace Exposure Limits) |               |           |            |           |             |            |              |                 |                   |          |             |
|----------------------------------------------------------------|---------------|-----------|------------|-----------|-------------|------------|--------------|-----------------|-------------------|----------|-------------|
| Country                                                        | Name of agent | CAS No    | Identifier | TWA [ppm] | TWA [mg/m³] | STEL [ppm] | STEL [mg/m³] | Ceiling-C [ppm] | Ceiling-C [mg/m³] | Notation | Source      |
| EU                                                             | sulfuric acid | 7664-93-9 | IOELV      |           | 0.05        |            |              |                 |                   | mist, t  | 2009/161/EU |

Notation

Ceiling-C

mist

STEL

t

TWA

ceiling value is a limit value above which exposure should not occur

as mists

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

thoracic fraction

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

### 8.2 Exposure controls

Appropriate engineering controls

Use local and general ventilation.

Individual protection measures (personal protective equipment)



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### Skin protection

#### - Hand protection

Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### - Other protection measures

Take recovery periods for skin regeneration. Wash hands thoroughly after handling.

### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                          |                                                                       |
|----------------------------------------------------------|-----------------------------------------------------------------------|
| Physical state                                           | liquid                                                                |
| Colour                                                   | colourless                                                            |
| Odour                                                    | odourless                                                             |
| Melting point/freezing point                             | not determined                                                        |
| Boiling point or initial boiling point and boiling range | 100 °C                                                                |
| Flammability                                             | non-combustible                                                       |
| Lower and upper explosion limit                          | not determined                                                        |
| Flash point                                              | not determined                                                        |
| Auto-ignition temperature                                | not determined                                                        |
| Decomposition temperature                                | not relevant                                                          |
| pH (value)                                               | <1 (in aqueous solution: 95 % ( <sup>w</sup> / <sub>w</sub> )) (acid) |
| Kinematic viscosity                                      | not determined                                                        |

#### Solubility(ies)

|                  |                            |
|------------------|----------------------------|
| Water solubility | miscible in any proportion |
|------------------|----------------------------|

#### Partition coefficient

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---------------------------------------------------|-----------------------------------|

|                 |                 |
|-----------------|-----------------|
| Vapour pressure | 23 hPa at 20 °C |
|-----------------|-----------------|

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

## AgraQuant® Stop Solution

version number GHS 4.0  
replaces version of 13.02.2023 (GHS 3)

Revision: 27.02.2024

### Density and/or relative density

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Density                 | 1.042 g/cm <sup>3</sup> at 20 °C              |
| Relative vapour density | information on this property is not available |

|                          |                       |
|--------------------------|-----------------------|
| Particle characteristics | not relevant (liquid) |
|--------------------------|-----------------------|

### 9.2 Other information

Information with regard to physical hazard classes hazard classes acc. to GHS (physical hazards): not relevant

#### Flammable liquids

|                            |                                           |
|----------------------------|-------------------------------------------|
| - Sustained combustibility | NO (no sustained combustion was observed) |
|----------------------------|-------------------------------------------|

#### Other safety characteristics

|             |                                 |
|-------------|---------------------------------|
| Miscibility | Completely miscible with water. |
|-------------|---------------------------------|

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

There is no additional information.

Release of flammable materials with:

Light metals (due to the release of hydrogen in an acid/alkaline medium)

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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### Classification acc. to GHS

Acute toxicity

Shall not be classified as acutely toxic.

| Acute toxicity estimate (ATE) of components |           |                       |              |
|---------------------------------------------|-----------|-----------------------|--------------|
| Name of substance                           | CAS No    | Exposure route        | ATE          |
| sulphuric acid ...%                         | 7664-93-9 | inhalation: vapour    | 3 mg/l/4h    |
| sulphuric acid ...%                         | 7664-93-9 | inhalation: dust/mist | 0.85 mg/l/4h |

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

### 11.2 Information on other hazards

There is no additional information.

## SECTION 12: Ecological information

### 12.1 Toxicity

Harmful to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

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### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

|                                                                     |                                                                       |
|---------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>14.1 UN number or ID number</b>                                  | not subject to transport regulations                                  |
| <b>14.2 UN proper shipping name</b>                                 | not relevant                                                          |
| <b>14.3 Transport hazard class(es)</b>                              | none                                                                  |
| <b>14.4 Packing group</b>                                           | not assigned                                                          |
| <b>14.5 Environmental hazards</b>                                   | non-environmentally hazardous acc. to the dangerous goods regulations |
| <b>14.6 Special precautions for user</b>                            | There is no additional information.                                   |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | The cargo is not intended to be carried in bulk.                      |

### Information for each of the UN Model Regulations

#### **International Maritime Dangerous Goods Code (IMDG) - Additional information**

Not subject to IMDG.

#### **International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

Not subject to ICAO-IATA.

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### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

There is no additional information.

##### National inventories

| Country | Inventory  | Status                              |
|---------|------------|-------------------------------------|
| EU      | REACH Reg. | all ingredients are listed          |
| US      | TSCA       | all ingredients are listed (ACTIVE) |
| AU      | AIIC       | all ingredients are listed          |
| CA      | DSL        | all ingredients are listed          |
| CN      | IECSC      | all ingredients are listed          |
| EU      | ECSI       | all ingredients are listed          |
| JP      | CSCL-ENCS  | all ingredients are listed          |
| JP      | ISHA-ENCS  | not all ingredients are listed      |
| KR      | KECI       | all ingredients are listed          |
| MX      | INSQ       | all ingredients are listed          |
| NZ      | NZIoC      | all ingredients are listed          |
| PH      | PICCS      | all ingredients are listed          |
| TR      | CICR       | not all ingredients are listed      |
| TW      | TCSI       | all ingredients are listed          |

##### Legend

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| AIIC       | Australian Inventory of Industrial Chemicals                            |
| CICR       | Chemical Inventory and Control Regulation                               |
| CSCL-ENCS  | List of Existing and New Chemical Substances (CSCL-ENCS)                |
| DSL        | Domestic Substances List (DSL)                                          |
| ECSI       | EC Substance Inventory (EINECS, ELINCS, NLP)                            |
| IECSC      | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ       | National Inventory of Chemical Substances                               |
| ISHA-ENCS  | Inventory of Existing and New Chemical Substances (ISHA-ENCS)           |
| KECI       | Korea Existing Chemicals Inventory                                      |
| NZIoC      | New Zealand Inventory of Chemicals                                      |
| PICCS      | Philippine Inventory of Chemicals and Chemical Substances (PICCS)       |
| REACH Reg. | REACH registered substances                                             |
| TCSI       | Taiwan Chemical Substance Inventory                                     |
| TSCA       | Toxic Substance Control Act                                             |

#### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Indication of changes (revised safety data sheet)

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| Section | Former entry (text/value)                                                                                                                                                                                                                    | Actual entry (text/value)                                                                                                                                                                                                                             | Safety-relevant |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1.3     | Details of the supplier of the safety data sheet:<br>Romer Labs® Division Holding GmbH<br>Erber Campus 1<br>3131<br>Getzersdorf<br>Austria<br>Telephone: +43 2782 803 0<br>e-mail: office-europe@romerlabs.com<br>Website: www.romerlabs.com | Details of the supplier of the safety data sheet:<br>Romer Labs® Division Holding GmbH<br>Erber Campus 1<br>3131<br>Getzersdorf<br>Austria<br>Telephone: +43 2782 803 0<br>e-mail: Office.RomerLabsEU@dsm-firmenich.com<br>Website: www.romerlabs.com | yes             |
| 1.3     |                                                                                                                                                                                                                                              | Manufacturer:<br>change in the listing (table)                                                                                                                                                                                                        | yes             |
| 2.1     |                                                                                                                                                                                                                                              | Classification acc. to GHS:<br>change in the listing (table)                                                                                                                                                                                          | yes             |
| 2.2     | - Signal word:<br>warning                                                                                                                                                                                                                    | - Signal word:<br>not required                                                                                                                                                                                                                        | yes             |
| 2.2     | - Pictograms                                                                                                                                                                                                                                 | - Pictograms:<br>not required                                                                                                                                                                                                                         | yes             |
| 2.2     |                                                                                                                                                                                                                                              | - Pictograms:<br>change in the listing (table)                                                                                                                                                                                                        | yes             |
| 2.2     |                                                                                                                                                                                                                                              | - Hazard statements:<br>change in the listing (table)                                                                                                                                                                                                 | yes             |
| 2.2     |                                                                                                                                                                                                                                              | - Precautionary statements:<br>change in the listing (table)                                                                                                                                                                                          | yes             |
| 2.3     | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$ .                                                                                                                       | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$ .                                                                                                                                 | yes             |
| 3.2     |                                                                                                                                                                                                                                              | Description of the mixture:<br>change in the listing (table)                                                                                                                                                                                          | yes             |
| 3.2     | Hazardous ingredients, Consideration of other advice:<br>noneFor full text of abbreviations: see SECTION 16.                                                                                                                                 | Hazardous ingredients, Consideration of other advice:<br>none                                                                                                                                                                                         | yes             |
| 3.2     |                                                                                                                                                                                                                                              | Remarks:<br>For full text of abbreviations: see SECTION 16                                                                                                                                                                                            | yes             |
| 4.1     | Following inhalation:<br>If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.                             | Following inhalation:<br>If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.                                                                                                    | yes             |
| 7.2     | - Packaging compatibilities:<br>Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.                                                                                                               |                                                                                                                                                                                                                                                       | yes             |
| 8.1     |                                                                                                                                                                                                                                              | Occupational exposure limit values (Workplace Exposure Limits):<br>change in the listing (table)                                                                                                                                                      | yes             |
| 8.2     | Individual protection measures (personal protective equipment):<br>eye protection must be worn safety gloves must be worn wear protective clothing                                                                                           | Individual protection measures (personal protective equipment):<br>safety gloves must be worn wear protective clothing                                                                                                                                | yes             |
| 8.2     | Eye/face protection:<br>Wear eye/face protection.                                                                                                                                                                                            |                                                                                                                                                                                                                                                       | yes             |
| 11.1    | Skin corrosion/irritation:<br>Causes skin irritation.                                                                                                                                                                                        | Skin corrosion/irritation:<br>Shall not be classified as corrosive/irritant to skin.                                                                                                                                                                  | yes             |

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| Section | Former entry (text/value)                                                                                                                                                                                                                                      | Actual entry (text/value)                                                                                                                                                                             | Safety-rel-<br>evant |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 11.1    | Serious eye damage/eye irritation:<br>Causes serious eye irritation.                                                                                                                                                                                           | Serious eye damage/eye irritation:<br>Shall not be classified as seriously damaging to the eye or eye irritant.                                                                                       | yes                  |
| 12.1    | Toxicity:<br>Toxic to aquatic life with long lasting effects.                                                                                                                                                                                                  | Toxicity:<br>Harmful to aquatic life with long lasting effects.                                                                                                                                       | yes                  |
| 12.5    | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$ .                                                          | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$ . | yes                  |
| 12.6    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$ .                                                                                                                                         | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$ .                                                                                 | yes                  |
| 13.1    | Waste treatment of containers/packagings:<br>Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself. | Waste treatment of containers/packagings:<br>Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.                                       | yes                  |
| 13.1    | Relevant provisions relating to waste (Basel Convention)                                                                                                                                                                                                       |                                                                                                                                                                                                       | yes                  |
| 13.1    |                                                                                                                                                                                                                                                                | Properties of waste which render it hazardous:<br>change in the listing (table)                                                                                                                       | yes                  |
| 14.1    | UN number or ID number                                                                                                                                                                                                                                         | UN number or ID number:<br>not subject to transport regulations                                                                                                                                       | yes                  |
| 14.1    | UN RTDG:<br>UN 3264                                                                                                                                                                                                                                            |                                                                                                                                                                                                       | yes                  |
| 14.1    | IMDG-Code:<br>UN 3264                                                                                                                                                                                                                                          |                                                                                                                                                                                                       | yes                  |
| 14.1    | ICAO-TI:<br>UN 3264                                                                                                                                                                                                                                            |                                                                                                                                                                                                       | yes                  |
| 14.2    | UN RTDG:<br>CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.                                                                                                                                                                                                        |                                                                                                                                                                                                       | yes                  |
| 14.2    | IMDG-Code:<br>CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.                                                                                                                                                                                                      |                                                                                                                                                                                                       | yes                  |
| 14.2    | ICAO-TI:<br>Corrosive liquid, acidic, inorganic, n.o.s.                                                                                                                                                                                                        |                                                                                                                                                                                                       | yes                  |
| 14.2    | Technical name (hazardous ingredients):<br>sulphuric acid ...%                                                                                                                                                                                                 |                                                                                                                                                                                                       | yes                  |
| 14.3    | UN RTDG:<br>8                                                                                                                                                                                                                                                  |                                                                                                                                                                                                       | yes                  |
| 14.3    | IMDG-Code:<br>8                                                                                                                                                                                                                                                |                                                                                                                                                                                                       | yes                  |
| 14.3    | ICAO-TI:<br>8                                                                                                                                                                                                                                                  |                                                                                                                                                                                                       | yes                  |
| 14.4    | UN RTDG:<br>I                                                                                                                                                                                                                                                  |                                                                                                                                                                                                       | yes                  |
| 14.4    | IMDG-Code:<br>I                                                                                                                                                                                                                                                |                                                                                                                                                                                                       | yes                  |

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| Section | Former entry (text/value)                                                             | Actual entry (text/value)                                                                            | Safety-rel-<br>evant |
|---------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------|
| 14.4    | ICAO-TI:<br>I                                                                         |                                                                                                      | yes                  |
| 14.5    | Environmentally hazardous substance (aquatic environment):<br>sulphuric acid ...%     |                                                                                                      | yes                  |
| 14.7    | Marine pollutant:<br>yes (hazardous to the aquatic environment) (sulphuric acid ...%) |                                                                                                      | yes                  |
| 14.7    | Danger label(s):<br>8, fish and tree                                                  |                                                                                                      | yes                  |
| 14.7    |                                                                                       | Danger label(s):<br>change in the listing (table)                                                    | yes                  |
| 14.7    | Special provisions (SP):<br>274                                                       |                                                                                                      | yes                  |
| 14.7    | Excepted quantities (EQ):<br>E0                                                       |                                                                                                      | yes                  |
| 14.7    | Limited quantities (LQ):<br>0                                                         |                                                                                                      | yes                  |
| 14.7    | EmS:<br>F-A, S-B                                                                      |                                                                                                      | yes                  |
| 14.7    | Stowage category:<br>B                                                                |                                                                                                      | yes                  |
| 14.7    | Segregation group:<br>1 - Acids                                                       |                                                                                                      | yes                  |
| 14.7    | Environmental hazards:<br>yes (hazardous to the aquatic environment)                  |                                                                                                      | yes                  |
| 14.7    | Danger label(s):<br>8                                                                 |                                                                                                      | yes                  |
| 14.7    |                                                                                       | Danger label(s):<br>change in the listing (table)                                                    | yes                  |
| 14.7    | Special provisions (SP):<br>A3                                                        |                                                                                                      | yes                  |
| 14.7    | Excepted quantities (EQ):<br>E0                                                       |                                                                                                      | yes                  |
| 14.2    | UN proper shipping name                                                               | UN proper shipping name:<br>not relevant                                                             | yes                  |
| 14.3    | Transport hazard class(es)                                                            | Transport hazard class(es):<br>none                                                                  | yes                  |
| 14.4    | Packing group                                                                         | Packing group:<br>not assigned                                                                       | yes                  |
| 14.5    | Environmental hazards:<br>hazardous to the aquatic environment                        | Environmental hazards:<br>non-environmentally hazardous acc. to the dangerous goods regulations      | yes                  |
| 14.7    | International Maritime Dangerous Goods Code (IMDG) - Additional information           | International Maritime Dangerous Goods Code (IMDG) - Additional information:<br>Not subject to IMDG. | yes                  |

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|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 14.7    | International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information                                                                                         | International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information:<br>Not subject to ICAO-IATA.                                                           | yes                  |
| 15.1    |                                                                                                                                                                            | National inventories:<br>change in the listing (table)                                                                                                                     | yes                  |
| 16      |                                                                                                                                                                            | Abbreviations and acronyms:<br>change in the listing (table)                                                                                                               | yes                  |
| 16      |                                                                                                                                                                            | List of relevant phrases (code and full text as stated in section 2 and 3):<br>change in the listing (table)                                                               | yes                  |
| 16      | Disclaimer:<br>This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.<br>© 2022 Romer Labs | Disclaimer:<br>This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.<br>© 2024 Romer Labs | yes                  |

### Abbreviations and acronyms

| Abbr.           | Descriptions of used abbreviations                                                                                                                                                           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2009/161/EU     | Commission Directive establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC |
| Acute Tox.      | Acute toxicity                                                                                                                                                                               |
| Aquatic Chronic | Hazardous to the aquatic environment - chronic hazard                                                                                                                                        |
| ATE             | Acute Toxicity Estimate                                                                                                                                                                      |
| CAS             | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)                                                                                       |
| Ceiling-C       | Ceiling value                                                                                                                                                                                |
| DGR             | Dangerous Goods Regulations (see IATA/DGR)                                                                                                                                                   |
| ED              | Endocrine disruptor                                                                                                                                                                          |
| EINECS          | European Inventory of Existing Commercial Chemical Substances                                                                                                                                |
| ELINCS          | European List of Notified Chemical Substances                                                                                                                                                |
| Eye Dam.        | Seriously damaging to the eye                                                                                                                                                                |
| Eye Irrit.      | Irritant to the eye                                                                                                                                                                          |
| GHS             | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations                                                                                    |
| IATA            | International Air Transport Association                                                                                                                                                      |
| IATA/DGR        | Dangerous Goods Regulations (DGR) for the air transport (IATA)                                                                                                                               |
| ICAO            | International Civil Aviation Organization                                                                                                                                                    |
| IMDG            | International Maritime Dangerous Goods Code                                                                                                                                                  |
| IOELV           | Indicative occupational exposure limit value                                                                                                                                                 |
| NLP             | No-Longer Polymer                                                                                                                                                                            |
| PBT             | Persistent, Bioaccumulative and Toxic                                                                                                                                                        |
| ppm             | Parts per million                                                                                                                                                                            |
| REACH           | Registration, Evaluation, Authorisation and Restriction of Chemicals                                                                                                                         |

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| Abbr.       | Descriptions of used abbreviations       |
|-------------|------------------------------------------|
| Skin Corr.  | Corrosive to skin                        |
| Skin Irrit. | Irritant to skin                         |
| STEL        | Short-term exposure limit                |
| TWA         | Time-weighted average                    |
| vPvB        | Very Persistent and very Bioaccumulative |

### Key literature references and sources for data

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.  
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text                                               |
|------|----------------------------------------------------|
| H314 | Causes severe skin burns and eye damage.           |
| H318 | Causes serious eye damage.                         |
| H331 | Toxic if inhaled.                                  |
| H411 | Toxic to aquatic life with long lasting effects.   |
| H412 | Harmful to aquatic life with long lasting effects. |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.  
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# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

## AgraQuant® Walnut Wash Buffer (10x)

version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

Revision: 27.02.2024

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name **AgraQuant® Walnut Wash Buffer (10x)**  
Article number 10003908

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Laboratory and analytical use  
Uses advised against Do not use for private purposes (household).

#### 1.3 Details of the supplier of the safety data sheet

Romer Labs® Division Holding GmbH  
Erber Campus 1  
3131  
Getzersdorf  
Austria  
Telephone: +43 2782 803 0  
e-mail: Office.RomerLabsEU@dsm-firmenich.com  
Website: www.romerlabs.com

Additional information

| Manufacturer |                                  |              |                    |                   |                                      |
|--------------|----------------------------------|--------------|--------------------|-------------------|--------------------------------------|
| Country      | Name                             | Street       | Postal code / city | Telephone         | e-Mail                               |
| Austria      | Romer Labs Division Holding GmbH | Technopark 5 | 3430 Tulln         | +43 2272 615 33 0 | Office.RomerLabsEU@dsm-firmenich.com |

#### 1.4 Emergency telephone number

Emergency information service +43 2782 803 0  
Mon - Thu 09:00 - 16:00, Fri 09:00 - 12:00, GMT+1

| Poison centre |                                 |                       |
|---------------|---------------------------------|-----------------------|
| Country       | Name                            | Telephone             |
| Austria       | Vergiftungsinformationszentrale | +43 1 406 43 43 (24h) |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification acc. to GHS  
This mixture does not meet the criteria for classification.

#### 2.2 Label elements

Labelling  
not required

#### 2.3 Other hazards

Results of PBT and vPvB assessment  
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## AgraQuant® Walnut Wash Buffer (10x)

version number GHS 3.0  
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Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

Description of the mixture

Not safety-relevant.

Hazardous ingredients, Consideration of other advice

none

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

#### 4.3 Indication of any immediate medical attention and special treatment needed

none

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media

Water jet

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version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

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### 5.2 Special hazards arising from the substance or mixture

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

Control of effects

Protect against external exposure, such as  
frost

### 7.3 Specific end use(s)

See section 16 for a general overview.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)  
this information is not available

#### 8.2 Exposure controls

Appropriate engineering controls

Use local and general ventilation.

Individual protection measures (personal protective equipment)



Skin protection

- Hand protection

Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Wash hands thoroughly after handling.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

|                                                          |                 |
|----------------------------------------------------------|-----------------|
| Physical state                                           | liquid          |
| Colour                                                   | colourless      |
| Odour                                                    | odourless       |
| Melting point/freezing point                             | not determined  |
| Boiling point or initial boiling point and boiling range | 100 °C          |
| Flammability                                             | non-combustible |
| Lower and upper explosion limit                          | not determined  |
| Flash point                                              | not determined  |
| Auto-ignition temperature                                | not determined  |
| Decomposition temperature                                | not relevant    |
| pH (value)                                               | 7               |
| Kinematic viscosity                                      | not determined  |

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

## AgraQuant® Walnut Wash Buffer (10x)

version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

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### Solubility(ies)

|                  |                            |
|------------------|----------------------------|
| Water solubility | miscible in any proportion |
|------------------|----------------------------|

### Partition coefficient

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---------------------------------------------------|-----------------------------------|

|                 |                 |
|-----------------|-----------------|
| Vapour pressure | 23 hPa at 20 °C |
|-----------------|-----------------|

### Density and/or relative density

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Density                 | not determined                                |
| Relative vapour density | information on this property is not available |

|                          |                       |
|--------------------------|-----------------------|
| Particle characteristics | not relevant (liquid) |
|--------------------------|-----------------------|

## 9.2 Other information

|                                                    |                                                             |
|----------------------------------------------------|-------------------------------------------------------------|
| Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards): not relevant |
|----------------------------------------------------|-------------------------------------------------------------|

### Other safety characteristics

|             |                                 |
|-------------|---------------------------------|
| Miscibility | Completely miscible with water. |
|-------------|---------------------------------|

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

There is no additional information.

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## AgraQuant® Walnut Wash Buffer (10x)

version number GHS 3.0  
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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification acc. to GHS

This mixture does not meet the criteria for classification.

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

#### 11.2 Information on other hazards

There is no additional information.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

#### 12.2 Persistence and degradability

Data are not available.

#### 12.3 Bioaccumulative potential

Data are not available.

#### 12.4 Mobility in soil

Data are not available.

## AgraQuant® Walnut Wash Buffer (10x)

version number GHS 3.0  
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### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

|                                                                     |                                                                       |
|---------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>14.1 UN number or ID number</b>                                  | not subject to transport regulations                                  |
| <b>14.2 UN proper shipping name</b>                                 | not relevant                                                          |
| <b>14.3 Transport hazard class(es)</b>                              | none                                                                  |
| <b>14.4 Packing group</b>                                           | not assigned                                                          |
| <b>14.5 Environmental hazards</b>                                   | non-environmentally hazardous acc. to the dangerous goods regulations |
| <b>14.6 Special precautions for user</b>                            | There is no additional information.                                   |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | The cargo is not intended to be carried in bulk.                      |

### Information for each of the UN Model Regulations

#### **International Maritime Dangerous Goods Code (IMDG) - Additional information**

Not subject to IMDG.

#### **International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

Not subject to ICAO-IATA.

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### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

There is no additional information.

##### National inventories

| Country | Inventory  | Status                         |
|---------|------------|--------------------------------|
| EU      | REACH Reg. | not all ingredients are listed |
| US      | TSCA       | not all ingredients are listed |
| AU      | AIIC       | all ingredients are listed     |
| CA      | DSL        | not all ingredients are listed |
| CN      | IECSC      | all ingredients are listed     |
| EU      | ECSI       | not all ingredients are listed |
| JP      | CSCL-ENCS  | all ingredients are listed     |
| JP      | ISHA-ENCS  | not all ingredients are listed |
| KR      | KECI       | not all ingredients are listed |
| MX      | INSQ       | not all ingredients are listed |
| NZ      | NZIoC      | all ingredients are listed     |
| PH      | PICCS      | all ingredients are listed     |
| TR      | CICR       | not all ingredients are listed |
| TW      | TCSI       | all ingredients are listed     |

##### Legend

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| AIIC       | Australian Inventory of Industrial Chemicals                            |
| CICR       | Chemical Inventory and Control Regulation                               |
| CSCL-ENCS  | List of Existing and New Chemical Substances (CSCL-ENCS)                |
| DSL        | Domestic Substances List (DSL)                                          |
| ECSI       | EC Substance Inventory (EINECS, ELINCS, NLP)                            |
| IECSC      | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ       | National Inventory of Chemical Substances                               |
| ISHA-ENCS  | Inventory of Existing and New Chemical Substances (ISHA-ENCS)           |
| KECI       | Korea Existing Chemicals Inventory                                      |
| NZIoC      | New Zealand Inventory of Chemicals                                      |
| PICCS      | Philippine Inventory of Chemicals and Chemical Substances (PICCS)       |
| REACH Reg. | REACH registered substances                                             |
| TCSI       | Taiwan Chemical Substance Inventory                                     |
| TSCA       | Toxic Substance Control Act                                             |

#### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Indication of changes (revised safety data sheet)

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

## AgraQuant® Walnut Wash Buffer (10x)

version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

Revision: 27.02.2024

| Section | Former entry (text/value)                                                                                                                                                                                                                    | Actual entry (text/value)                                                                                                                                                                                                                             | Safety-rel-<br>evant |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 1.3     | Details of the supplier of the safety data sheet:<br>Romer Labs® Division Holding GmbH<br>Erber Campus 1<br>3131<br>Getzersdorf<br>Austria<br>Telephone: +43 2782 803 0<br>e-mail: office-europe@romerlabs.com<br>Website: www.romerlabs.com | Details of the supplier of the safety data sheet:<br>Romer Labs® Division Holding GmbH<br>Erber Campus 1<br>3131<br>Getzersdorf<br>Austria<br>Telephone: +43 2782 803 0<br>e-mail: Office.RomerLabsEU@dsm-firmenich.com<br>Website: www.romerlabs.com | yes                  |
| 1.3     |                                                                                                                                                                                                                                              | Manufacturer:<br>change in the listing (table)                                                                                                                                                                                                        | yes                  |
| 2.3     | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a<br>concentration of $\geq 0,1\%$ .                                                                                                                    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a<br>concentration of $\geq 0,1\%$ .                                                                                                                              | yes                  |
| 9.2     | Flammable liquids                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                       | yes                  |
| 9.2     | Sustained combustibility:<br>yes (sustained combustion was observed)                                                                                                                                                                         |                                                                                                                                                                                                                                                       | yes                  |
| 12.5    | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this sub-<br>stance is not a PBT or a vPvB. Does not contain a<br>PBT-/vPvB-substance in a concentration of $\geq 0,1\%$ .                                | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this sub-<br>stance is not a PBT or a vPvB. Does not contain a<br>PBT-/vPvB-substance at a concentration of $\geq 0,1\%$ .                                         | yes                  |
| 12.6    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a<br>concentration of $\geq 0,1\%$ .                                                                                                                    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a<br>concentration of $\geq 0,1\%$ .                                                                                                                              | yes                  |
| 15.1    |                                                                                                                                                                                                                                              | National inventories:<br>change in the listing (table)                                                                                                                                                                                                | yes                  |
| 16      |                                                                                                                                                                                                                                              | Abbreviations and acronyms:<br>change in the listing (table)                                                                                                                                                                                          | yes                  |
| 16      | Disclaimer:<br>This information is based upon the present state of<br>our knowledge. This SDS has been compiled and is<br>solely intended for this product.<br>© 2022 Romer Labs                                                             | Disclaimer:<br>This information is based upon the present state of<br>our knowledge. This SDS has been compiled and is<br>solely intended for this product.<br>© 2024 Romer Labs                                                                      | yes                  |

### Abbreviations and acronyms

| Abbr.    | Descriptions of used abbreviations                                                                        |
|----------|-----------------------------------------------------------------------------------------------------------|
| DGR      | Dangerous Goods Regulations (see IATA/DGR)                                                                |
| ED       | Endocrine disruptor                                                                                       |
| EINECS   | European Inventory of Existing Commercial Chemical Substances                                             |
| ELINCS   | European List of Notified Chemical Substances                                                             |
| GHS      | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA     | International Air Transport Association                                                                   |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA)                                            |
| ICAO     | International Civil Aviation Organization                                                                 |
| IMDG     | International Maritime Dangerous Goods Code                                                               |
| NLP      | No-Longer Polymer                                                                                         |
| PBT      | Persistent, Bioaccumulative and Toxic                                                                     |

## Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

### AgraQuant® Walnut Wash Buffer (10x)

version number GHS 3.0  
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| Abbr. | Descriptions of used abbreviations                                   |
|-------|----------------------------------------------------------------------|
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| vPvB  | Very Persistent and very Bioaccumulative                             |

#### Key literature references and sources for data

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

#### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

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## AgraQuant® Walnut Extraction & Sample Dilution Buffer (10x)

version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

Revision: 27.02.2024

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name **AgraQuant® Walnut Extraction & Sample Dilution Buffer (10x)**  
Article number 10004239

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Laboratory and analytical use  
Uses advised against Do not use for private purposes (household).

#### 1.3 Details of the supplier of the safety data sheet

Romer Labs® Division Holding GmbH  
Erber Campus 1  
3131  
Getzersdorf  
Austria  
Telephone: +43 2782 803 0  
e-mail: Office.RomerLabsEU@dsm-firmenich.com  
Website: www.romerlabs.com

Additional information

| Manufacturer |                                  |              |                  |                   |                                       |
|--------------|----------------------------------|--------------|------------------|-------------------|---------------------------------------|
| Country      | Name                             | Street       | Postal code/city | Telephone         | e-Mail                                |
| Austria      | Romer Labs Division Holding GmbH | Technopark 5 | 3430 Tulln       | +43 2272 615 33 0 | Office.RomerLab-sEU@dsm-firmenich.com |

#### 1.4 Emergency telephone number

Emergency information service +43 2782 803 0  
Mon - Thu 09:00 - 16:00, Fri 09:00 - 12:00, GMT+1

| Poison centre |                                 |                       |
|---------------|---------------------------------|-----------------------|
| Country       | Name                            | Telephone             |
| Austria       | Vergiftungsinformationszentrale | +43 1 406 43 43 (24h) |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification acc. to GHS  
This mixture does not meet the criteria for classification.

#### 2.2 Label elements

Labelling  
not required

#### 2.3 Other hazards

Results of PBT and vPvB assessment  
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

Description of the mixture

Not safety-relevant.

Hazardous ingredients, Consideration of other advice

none

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

#### 4.3 Indication of any immediate medical attention and special treatment needed

none

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media

Water jet

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

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replaces version of 13.02.2023 (GHS 2)

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### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

Control of effects

Protect against external exposure, such as

frost

### 7.3 Specific end use(s)

See section 16 for a general overview.

## AgraQuant® Walnut Extraction & Sample Dilution Buffer (10x)

version number GHS 3.0  
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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)  
this information is not available

#### 8.2 Exposure controls

Appropriate engineering controls

Use local and general ventilation.

Individual protection measures (personal protective equipment)



Skin protection

- Hand protection

Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Wash hands thoroughly after handling.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

|                                                          |                 |
|----------------------------------------------------------|-----------------|
| Physical state                                           | liquid          |
| Colour                                                   | red             |
| Odour                                                    | odourless       |
| Melting point/freezing point                             | not determined  |
| Boiling point or initial boiling point and boiling range | 100 °C          |
| Flammability                                             | non-combustible |
| Lower and upper explosion limit                          | not determined  |
| Flash point                                              | not determined  |
| Auto-ignition temperature                                | not determined  |
| Decomposition temperature                                | not relevant    |
| pH (value)                                               | 8 – 8.4         |
| Kinematic viscosity                                      | not determined  |

## AgraQuant® Walnut Extraction & Sample Dilution Buffer (10x)

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### Solubility(ies)

|                  |                            |
|------------------|----------------------------|
| Water solubility | miscible in any proportion |
|------------------|----------------------------|

### Partition coefficient

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---------------------------------------------------|-----------------------------------|

|                 |                 |
|-----------------|-----------------|
| Vapour pressure | 23 hPa at 20 °C |
|-----------------|-----------------|

### Density and/or relative density

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Density                 | not determined                                |
| Relative vapour density | information on this property is not available |

|                          |                       |
|--------------------------|-----------------------|
| Particle characteristics | not relevant (liquid) |
|--------------------------|-----------------------|

## 9.2 Other information

|                                                    |                                                             |
|----------------------------------------------------|-------------------------------------------------------------|
| Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards): not relevant |
|----------------------------------------------------|-------------------------------------------------------------|

### Other safety characteristics

|             |                                 |
|-------------|---------------------------------|
| Miscibility | Completely miscible with water. |
|-------------|---------------------------------|

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

Oxidisers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## AgraQuant® Walnut Extraction & Sample Dilution Buffer (10x)

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replaces version of 13.02.2023 (GHS 2)

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification acc. to GHS

This mixture does not meet the criteria for classification.

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

#### 11.2 Information on other hazards

There is no additional information.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

#### 12.2 Persistence and degradability

Data are not available.

#### 12.3 Bioaccumulative potential

Data are not available.

#### 12.4 Mobility in soil

Data are not available.

## AgraQuant® Walnut Extraction & Sample Dilution Buffer (10x)

version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

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### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

|      |                                                         |                                                                       |
|------|---------------------------------------------------------|-----------------------------------------------------------------------|
| 14.1 | UN number or ID number                                  | not subject to transport regulations                                  |
| 14.2 | UN proper shipping name                                 | not relevant                                                          |
| 14.3 | Transport hazard class(es)                              | none                                                                  |
| 14.4 | Packing group                                           | not assigned                                                          |
| 14.5 | Environmental hazards                                   | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 | Special precautions for user                            | There is no additional information.                                   |
| 14.7 | Maritime transport in bulk according to IMO instruments | The cargo is not intended to be carried in bulk.                      |

### Information for each of the UN Model Regulations

#### International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

#### International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

## AgraQuant® Walnut Extraction & Sample Dilution Buffer (10x)

version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

Revision: 27.02.2024

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

There is no additional information.

##### National inventories

| Country | Inventory  | Status                              |
|---------|------------|-------------------------------------|
| EU      | REACH Reg. | all ingredients are listed          |
| US      | TSCA       | all ingredients are listed (ACTIVE) |
| AU      | AIIC       | all ingredients are listed          |
| CA      | DSL        | all ingredients are listed          |
| CN      | IECSC      | all ingredients are listed          |
| EU      | ECSI       | all ingredients are listed          |
| JP      | CSCL-ENCS  | not all ingredients are listed      |
| JP      | ISHA-ENCS  | not all ingredients are listed      |
| KR      | KECI       | all ingredients are listed          |
| MX      | INSQ       | all ingredients are listed          |
| NZ      | NZIoC      | all ingredients are listed          |
| PH      | PICCS      | all ingredients are listed          |
| TR      | CICR       | not all ingredients are listed      |
| TW      | TCSI       | all ingredients are listed          |

##### Legend

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| AIIC       | Australian Inventory of Industrial Chemicals                            |
| CICR       | Chemical Inventory and Control Regulation                               |
| CSCL-ENCS  | List of Existing and New Chemical Substances (CSCL-ENCS)                |
| DSL        | Domestic Substances List (DSL)                                          |
| ECSI       | EC Substance Inventory (EINECS, ELINCS, NLP)                            |
| IECSC      | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ       | National Inventory of Chemical Substances                               |
| ISHA-ENCS  | Inventory of Existing and New Chemical Substances (ISHA-ENCS)           |
| KECI       | Korea Existing Chemicals Inventory                                      |
| NZIoC      | New Zealand Inventory of Chemicals                                      |
| PICCS      | Philippine Inventory of Chemicals and Chemical Substances (PICCS)       |
| REACH Reg. | REACH registered substances                                             |
| TCSI       | Taiwan Chemical Substance Inventory                                     |
| TSCA       | Toxic Substance Control Act                                             |

#### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Indication of changes (revised safety data sheet)

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

## AgraQuant® Walnut Extraction & Sample Dilution Buffer (10x)

version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

Revision: 27.02.2024

| Section | Former entry (text/value)                                                                                                                                                                                                                    | Actual entry (text/value)                                                                                                                                                                                                                             | Safety-rel-<br>evant |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 1.3     | Details of the supplier of the safety data sheet:<br>Romer Labs® Division Holding GmbH<br>Erber Campus 1<br>3131<br>Getzersdorf<br>Austria<br>Telephone: +43 2782 803 0<br>e-mail: office-europe@romerlabs.com<br>Website: www.romerlabs.com | Details of the supplier of the safety data sheet:<br>Romer Labs® Division Holding GmbH<br>Erber Campus 1<br>3131<br>Getzersdorf<br>Austria<br>Telephone: +43 2782 803 0<br>e-mail: Office.RomerLabsEU@dsm-firmenich.com<br>Website: www.romerlabs.com | yes                  |
| 1.3     |                                                                                                                                                                                                                                              | Manufacturer:<br>change in the listing (table)                                                                                                                                                                                                        | yes                  |
| 2.3     | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a<br>concentration of $\geq 0,1\%$ .                                                                                                                    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a<br>concentration of $\geq 0,1\%$ .                                                                                                                              | yes                  |
| 9.1     | Flammability:<br>this material is combustible, but will not ignite<br>readily                                                                                                                                                                | Flammability:<br>non-combustible                                                                                                                                                                                                                      | yes                  |
| 9.1     | pH (value):<br>8.5                                                                                                                                                                                                                           | pH (value):<br>8 – 8.4                                                                                                                                                                                                                                | yes                  |
| 9.2     | Flammable liquids                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                       | yes                  |
| 9.2     | Sustained combustibility:<br>yes (sustained combustion was observed)                                                                                                                                                                         |                                                                                                                                                                                                                                                       | yes                  |
| 12.5    | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this sub-<br>stance is not a PBT or a vPvB. Does not contain a<br>PBT-/vPvB-substance in a concentration of $\geq 0,1\%$ .                                | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this sub-<br>stance is not a PBT or a vPvB. Does not contain a<br>PBT-/vPvB-substance at a concentration of $\geq 0,1\%$ .                                         | yes                  |
| 12.6    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a<br>concentration of $\geq 0,1\%$ .                                                                                                                    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a<br>concentration of $\geq 0,1\%$ .                                                                                                                              | yes                  |
| 15.1    |                                                                                                                                                                                                                                              | National inventories:<br>change in the listing (table)                                                                                                                                                                                                | yes                  |
| 16      |                                                                                                                                                                                                                                              | Abbreviations and acronyms:<br>change in the listing (table)                                                                                                                                                                                          | yes                  |
| 16      | Disclaimer:<br>This information is based upon the present state of<br>our knowledge. This SDS has been compiled and is<br>solely intended for this product.<br>© 2022 Romer Labs                                                             | Disclaimer:<br>This information is based upon the present state of<br>our knowledge. This SDS has been compiled and is<br>solely intended for this product.<br>© 2024 Romer Labs                                                                      | yes                  |

### Abbreviations and acronyms

| Abbr.    | Descriptions of used abbreviations                                                                        |
|----------|-----------------------------------------------------------------------------------------------------------|
| DGR      | Dangerous Goods Regulations (see IATA/DGR)                                                                |
| ED       | Endocrine disruptor                                                                                       |
| EINECS   | European Inventory of Existing Commercial Chemical Substances                                             |
| ELINCS   | European List of Notified Chemical Substances                                                             |
| GHS      | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA     | International Air Transport Association                                                                   |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA)                                            |

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

## AgraQuant® Walnut Extraction & Sample Dilution Buffer (10x)

version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

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| Abbr. | Descriptions of used abbreviations                                   |
|-------|----------------------------------------------------------------------|
| ICAO  | International Civil Aviation Organization                            |
| IMDG  | International Maritime Dangerous Goods Code                          |
| NLP   | No-Longer Polymer                                                    |
| PBT   | Persistent, Bioaccumulative and Toxic                                |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| vPvB  | Very Persistent and very Bioaccumulative                             |

### Key literature references and sources for data

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

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# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

## AgraQuant® Walnut Standard 60ppm

version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name **AgraQuant® Walnut Standard 60ppm**  
Article number 10004948

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Laboratory and analytical use  
Uses advised against Do not use for private purposes (household).

#### 1.3 Details of the supplier of the safety data sheet

Romer Labs® Division Holding GmbH  
Erber Campus 1  
3131  
Getzersdorf  
Austria  
Telephone: +43 2782 803 0  
e-mail: Office.RomerLabsEU@dsm-firmenich.com  
Website: www.romerlabs.com

Additional information

| Manufacturer |                                  |              |                    |                   |                                      |
|--------------|----------------------------------|--------------|--------------------|-------------------|--------------------------------------|
| Country      | Name                             | Street       | Postal code / city | Telephone         | e-Mail                               |
| Austria      | Romer Labs Division Holding GmbH | Technopark 5 | 3430 Tulln         | +43 2272 615 33 0 | Office.RomerLabsEU@dsm-firmenich.com |

#### 1.4 Emergency telephone number

Emergency information service +43 2782 803 0  
Mon - Thu 09:00 - 16:00, Fri 09:00 - 12:00, GMT+1

| Poison centre |                                 |                       |
|---------------|---------------------------------|-----------------------|
| Country       | Name                            | Telephone             |
| Austria       | Vergiftungsinformationszentrale | +43 1 406 43 43 (24h) |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification acc. to GHS  
This mixture does not meet the criteria for classification.

#### 2.2 Label elements

Labelling  
not required

#### 2.3 Other hazards

Results of PBT and vPvB assessment  
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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replaces version of 13.02.2023 (GHS 2)

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Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

Description of the mixture

Not safety-relevant.

Hazardous ingredients, Consideration of other advice

none

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

#### 4.3 Indication of any immediate medical attention and special treatment needed

none

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media

Water jet

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>)

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### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

Control of effects

Protect against external exposure, such as

frost

### 7.3 Specific end use(s)

See section 16 for a general overview.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)  
this information is not available

#### 8.2 Exposure controls

Appropriate engineering controls  
Use local and general ventilation.

Individual protection measures (personal protective equipment)



Skin protection

- Hand protection

Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Wash hands thoroughly after handling.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

|                                                          |                 |
|----------------------------------------------------------|-----------------|
| Physical state                                           | liquid          |
| Colour                                                   | red             |
| Odour                                                    | odourless       |
| Melting point/freezing point                             | not determined  |
| Boiling point or initial boiling point and boiling range | 100 °C          |
| Flammability                                             | non-combustible |
| Lower and upper explosion limit                          | not determined  |
| Flash point                                              | not determined  |
| Auto-ignition temperature                                | not determined  |
| Decomposition temperature                                | not relevant    |
| pH (value)                                               | 8 – 8.4         |
| Kinematic viscosity                                      | not determined  |

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

## AgraQuant® Walnut Standard 60ppm

version number GHS 3.0  
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### Solubility(ies)

|                  |                            |
|------------------|----------------------------|
| Water solubility | miscible in any proportion |
|------------------|----------------------------|

### Partition coefficient

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---------------------------------------------------|-----------------------------------|

|                 |                 |
|-----------------|-----------------|
| Vapour pressure | 23 hPa at 20 °C |
|-----------------|-----------------|

### Density and/or relative density

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Density                 | not determined                                |
| Relative vapour density | information on this property is not available |

|                          |                       |
|--------------------------|-----------------------|
| Particle characteristics | not relevant (liquid) |
|--------------------------|-----------------------|

## 9.2 Other information

|                                                    |                                                             |
|----------------------------------------------------|-------------------------------------------------------------|
| Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards): not relevant |
|----------------------------------------------------|-------------------------------------------------------------|

### Other safety characteristics

|             |                                 |
|-------------|---------------------------------|
| Miscibility | Completely miscible with water. |
|-------------|---------------------------------|

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

There is no additional information.

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification acc. to GHS

This mixture does not meet the criteria for classification.

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

#### 11.2 Information on other hazards

There is no additional information.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

#### 12.2 Persistence and degradability

Data are not available.

#### 12.3 Bioaccumulative potential

Data are not available.

#### 12.4 Mobility in soil

Data are not available.

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Revision: 27.02.2024

### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

|                                                                     |                                                                       |
|---------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>14.1 UN number or ID number</b>                                  | not subject to transport regulations                                  |
| <b>14.2 UN proper shipping name</b>                                 | not relevant                                                          |
| <b>14.3 Transport hazard class(es)</b>                              | none                                                                  |
| <b>14.4 Packing group</b>                                           | not assigned                                                          |
| <b>14.5 Environmental hazards</b>                                   | non-environmentally hazardous acc. to the dangerous goods regulations |
| <b>14.6 Special precautions for user</b>                            | There is no additional information.                                   |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | The cargo is not intended to be carried in bulk.                      |

### Information for each of the UN Model Regulations

#### International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

#### International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

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Revision: 27.02.2024

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

There is no additional information.

##### National inventories

| Country | Inventory  | Status                         |
|---------|------------|--------------------------------|
| EU      | REACH Reg. | not all ingredients are listed |
| US      | TSCA       | not all ingredients are listed |
| AU      | AIIC       | all ingredients are listed     |
| CA      | DSL        | not all ingredients are listed |
| CN      | IECSC      | all ingredients are listed     |
| EU      | ECSI       | not all ingredients are listed |
| JP      | CSCL-ENCS  | not all ingredients are listed |
| JP      | ISHA-ENCS  | not all ingredients are listed |
| KR      | KECI       | not all ingredients are listed |
| MX      | INSQ       | not all ingredients are listed |
| NZ      | NZIoC      | all ingredients are listed     |
| PH      | PICCS      | all ingredients are listed     |
| TR      | CICR       | not all ingredients are listed |
| TW      | TCSI       | all ingredients are listed     |

##### Legend

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| AIIC       | Australian Inventory of Industrial Chemicals                            |
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| IECSC      | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ       | National Inventory of Chemical Substances                               |
| ISHA-ENCS  | Inventory of Existing and New Chemical Substances (ISHA-ENCS)           |
| KECI       | Korea Existing Chemicals Inventory                                      |
| NZIoC      | New Zealand Inventory of Chemicals                                      |
| PICCS      | Philippine Inventory of Chemicals and Chemical Substances (PICCS)       |
| REACH Reg. | REACH registered substances                                             |
| TCSI       | Taiwan Chemical Substance Inventory                                     |
| TSCA       | Toxic Substance Control Act                                             |

#### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Indication of changes (revised safety data sheet)

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

## AgraQuant® Walnut Standard 60ppm

version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

Revision: 27.02.2024

| Section | Former entry (text/value)                                                                                                                                                                                                                    | Actual entry (text/value)                                                                                                                                                                                                                             | Safety-rel-<br>evant |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 1.3     | Details of the supplier of the safety data sheet:<br>Romer Labs® Division Holding GmbH<br>Erber Campus 1<br>3131<br>Getzersdorf<br>Austria<br>Telephone: +43 2782 803 0<br>e-mail: office-europe@romerlabs.com<br>Website: www.romerlabs.com | Details of the supplier of the safety data sheet:<br>Romer Labs® Division Holding GmbH<br>Erber Campus 1<br>3131<br>Getzersdorf<br>Austria<br>Telephone: +43 2782 803 0<br>e-mail: Office.RomerLabsEU@dsm-firmenich.com<br>Website: www.romerlabs.com | yes                  |
| 1.3     |                                                                                                                                                                                                                                              | Manufacturer:<br>change in the listing (table)                                                                                                                                                                                                        | yes                  |
| 2.3     | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a<br>concentration of $\geq 0,1\%$ .                                                                                                                    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a<br>concentration of $\geq 0,1\%$ .                                                                                                                              | yes                  |
| 9.1     | Colour:<br>colourless                                                                                                                                                                                                                        | Colour:<br>red                                                                                                                                                                                                                                        | yes                  |
| 9.1     | pH (value):<br>8.5                                                                                                                                                                                                                           | pH (value):<br>8 – 8.4                                                                                                                                                                                                                                | yes                  |
| 9.2     | Flammable liquids                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                       | yes                  |
| 9.2     | Sustained combustibility:<br>yes (sustained combustion was observed)                                                                                                                                                                         |                                                                                                                                                                                                                                                       | yes                  |
| 12.5    | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this sub-<br>stance is not a PBT or a vPvB. Does not contain a<br>PBT-/vPvB-substance in a concentration of $\geq 0,1\%$ .                                | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this sub-<br>stance is not a PBT or a vPvB. Does not contain a<br>PBT-/vPvB-substance at a concentration of $\geq 0,1\%$ .                                         | yes                  |
| 12.6    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (EDC) in a<br>concentration of $\geq 0,1\%$ .                                                                                                                    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a<br>concentration of $\geq 0,1\%$ .                                                                                                                              | yes                  |
| 16      |                                                                                                                                                                                                                                              | Abbreviations and acronyms:<br>change in the listing (table)                                                                                                                                                                                          | yes                  |
| 16      | Disclaimer:<br>This information is based upon the present state of<br>our knowledge. This SDS has been compiled and is<br>solely intended for this product.<br>© 2022 Romer Labs                                                             | Disclaimer:<br>This information is based upon the present state of<br>our knowledge. This SDS has been compiled and is<br>solely intended for this product.<br>© 2024 Romer Labs                                                                      | yes                  |

### Abbreviations and acronyms

| Abbr.    | Descriptions of used abbreviations                                                                        |
|----------|-----------------------------------------------------------------------------------------------------------|
| DGR      | Dangerous Goods Regulations (see IATA/DGR)                                                                |
| ED       | Endocrine disruptor                                                                                       |
| EINECS   | European Inventory of Existing Commercial Chemical Substances                                             |
| ELINCS   | European List of Notified Chemical Substances                                                             |
| GHS      | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA     | International Air Transport Association                                                                   |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA)                                            |
| ICAO     | International Civil Aviation Organization                                                                 |
| IMDG     | International Maritime Dangerous Goods Code                                                               |

# Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

## AgraQuant® Walnut Standard 60ppm

version number GHS 3.0  
replaces version of 13.02.2023 (GHS 2)

Revision: 27.02.2024

| Abbr. | Descriptions of used abbreviations                                   |
|-------|----------------------------------------------------------------------|
| NLP   | No-Longer Polymer                                                    |
| PBT   | Persistent, Bioaccumulative and Toxic                                |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| vPvB  | Very Persistent and very Bioaccumulative                             |

### Key literature references and sources for data

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

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