

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 and (EU) No 2020/878

### Glutaraldehyde 2.5 %, in Sodium Chloride 0.9 %

Revision date: 15.01.2025

Product code: 15756.xxxxx

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

### 1.1. Product identifier

Glutaraldehyde 2.5 %, in Sodium Chloride 0.9 %

UFI: QRMD-U1Y2-U00Q-74QK

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

#### Use of the substance/mixture

Use as laboratory reagent.

#### Uses advised against

Any non-intended use.

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

|                 |                                    |                                   |
|-----------------|------------------------------------|-----------------------------------|
| Company name:   | MORPHISTO GmbH                     |                                   |
| Street:         | Schumannstr. 142/144               |                                   |
| Place:          | D-63069 Offenbach                  |                                   |
| Telephone:      | +49 (0) 69 / 400 3019-60           | Telefax: +49 (0) 69 / 400 3019-64 |
| E-mail:         | info@morphisto.de                  |                                   |
| Contact person: | Morphisto GmbH                     |                                   |
| E-mail:         | gefahrstoffmanagement@morphisto.de |                                   |
| Internet:       | http://www.morphisto.de            |                                   |

### 1.4. Emergency telephone number:

Poison Information Center Mainz, Germany, Tel: +49(0)6131/19240

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Acute Tox. 4; H332  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
Resp. Sens. 1; H334  
Skin Sens. 1; H317  
STOT SE 3; H335  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

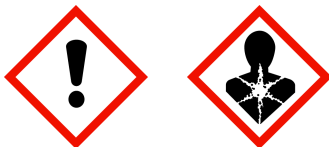
### 2.2. Label elements

#### Regulation (EC) No 1272/2008

#### Hazard components for labelling glutaraldehyde

Signal word: Danger

#### Pictograms:



#### Hazard statements

|      |                                      |
|------|--------------------------------------|
| H315 | Causes skin irritation.              |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation.       |
| H332 | Harmful if inhaled.                  |

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H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P261 Avoid breathing vapours.  
P280 Wear protective gloves/protective clothing and eye protection/face protection.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

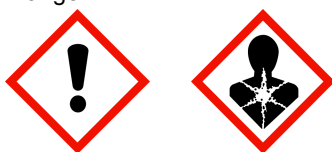
#### Special labelling of certain mixtures

EUH071 Corrosive to the respiratory tract.

#### Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Pictograms:



#### Hazard statements

H317-H334-H412

#### Precautionary statements

P261-P280-P304+P340-P342+P311

#### 2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at levels of 0.1% or higher. Ecological information: The substance/mixture does not contain any components that are considered to be hazardous according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in amounts of 0.1 % or more have endocrine disrupting properties. Toxicological information: The substance/mixture does not contain any components that are to be classified according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1 % or more have endocrine disrupting properties.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Relevant ingredients

| CAS No   | Chemical name                                                                                                                                                                           |              |                  | Quantity  |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|-----------|
|          | EC No                                                                                                                                                                                   | Index No     | REACH No         |           |
|          | Classification (Regulation (EC) No 1272/2008)                                                                                                                                           |              |                  |           |
| 111-30-8 | glutaraldehyde                                                                                                                                                                          |              |                  | 1 - < 5 % |
|          | 203-856-5                                                                                                                                                                               | 605-022-00-X | 01-2119455549-26 |           |
|          | Acute Tox. 2, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Resp. Sens. 1, Skin Sens. 1A, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 2; H330 H301 H314 H318 H334 H317 H335 H400 H411 EUH071 |              |                  |           |
| 67-56-1  | methanol                                                                                                                                                                                |              |                  | < 0.1 %   |
|          | 200-659-6                                                                                                                                                                               | 603-001-00-X | 01-2119433307-44 |           |
|          | Flam. Liq. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1; H225 H331 H311 H301 H370                                                                                             |              |                  |           |

Full text of H and EUH statements: see section 16.

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#### Specific Conc. Limits, M-factors and ATE

| CAS No   | EC No     | Chemical name                                                                                                                                                                                        | Quantity  |
|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|          |           | Specific Conc. Limits, M-factors and ATE                                                                                                                                                             |           |
| 111-30-8 | 203-856-5 | glutaraldehyde                                                                                                                                                                                       | 1 - < 5 % |
|          |           | inhalation: LC50 = 0,5 mg/l (vapours); inhalation: LC50 = 0,28 mg/l (dusts or mists); dermal: LD50 = >1000 mg/kg; oral: LD50 = 135 mg/kg STOT SE 3; H335: >= 0,5 - < 5<br>Aquatic Acute 1; H400: M=1 |           |
| 67-56-1  | 200-659-6 | methanol                                                                                                                                                                                             | < 0.1 %   |
|          |           | inhalation: LC50 = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: LD50 = 300 mg/kg; oral: LD50 = 100 mg/kg STOT SE 1; H370: >= 10 - 100 STOT SE 2; H371: >= 3 - < 10         |           |

#### Further Information

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: glutaraldehyde (C.A.S. 111-30-8)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately. In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

#### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Observe risk of aspiration if vomiting occurs. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam. Water spray

#### Unsuitable extinguishing media

High power water jet.

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

Non-flammable. In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

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**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

**Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.  
Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. See protective measures under point 7 and 8.  
Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Discharge into the environment must be avoided.

**6.3. Methods and material for containment and cleaning up****For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**Other information**

Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Wear suitable protective clothing. See section 8.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

**Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.  
Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Always close containers tightly after the removal of product.

**Further information on handling**

General protection and hygiene measures: See section 8.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

**Hints on joint storage**

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

**Further information on storage conditions**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.  
Recommended storage temperature: 4-8°C

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Protect against: frost. UV-radiation/sunlight. heat. Humidity

#### 7.3. Specific end use(s)

See section 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limit values

| CAS No  | Name of agent | ppm | mg/m <sup>3</sup> | fib/cm <sup>3</sup> | Category  | Origin |
|---------|---------------|-----|-------------------|---------------------|-----------|--------|
| 67-56-1 | Methanol      | 200 | 260               |                     | TWA (8 h) |        |

##### DNEL/DMEL values

| CAS No                 | Name of agent | Exposure route | Effect   | Value                 |
|------------------------|---------------|----------------|----------|-----------------------|
| 67-56-1                | methanol      |                |          |                       |
| Worker DNEL, acute     |               | inhalation     | local    | 260 mg/m <sup>3</sup> |
| Worker DNEL, acute     |               | dermal         | systemic | 40 mg/kg bw/day       |
| Worker DNEL, acute     |               | inhalation     | systemic | 260 mg/m <sup>3</sup> |
| Worker DNEL, long-term |               | inhalation     | local    | 260 mg/m <sup>3</sup> |
| Worker DNEL, long-term |               | dermal         | systemic | 40 mg/kg bw/day       |
| Worker DNEL, long-term |               | inhalation     | systemic | 260 mg/m <sup>3</sup> |

##### PNEC values

| CAS No                                           | Name of agent | Value      |
|--------------------------------------------------|---------------|------------|
| 67-56-1                                          | methanol      |            |
| Freshwater                                       |               | 20,8 mg/l  |
| Marine water                                     |               | 2,08 mg/l  |
| Marine water (intermittent releases)             |               | 1540 mg/l  |
| Freshwater sediment                              |               | 77 mg/kg   |
| Marine sediment                                  |               | 7,7 mg/kg  |
| Micro-organisms in sewage treatment plants (STP) |               | 100 mg/l   |
| Soil                                             |               | 3,18 mg/kg |

#### 8.2. Exposure controls



##### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Use extractor hood (laboratory). Process within closed systems.

##### Individual protection measures, such as personal protective equipment

###### Eye/face protection

Suitable eye protection: goggles. Wear safety glasses; chemical goggles (if splashing is possible). EN 166

###### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four

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control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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. Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time  $\geq$  8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time  $\geq$  8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

#### Skin protection

Use of protective clothing. Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection. With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

Insufficient ventilation.

Release of: product.

exceeding exposure limit values

Suitable respiratory protective equipment:

Combination filtering device (EN 14387); Type: : A-P3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Details on the requirements for use and maximum concentrations can be found in the "Rules for the use of respiratory protective devices" (BGR 190).

#### Environmental exposure controls

Do not empty into drains. Do not allow uncontrolled discharge of product into the environment.

## SECTION 9: Physical and chemical properties

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

|                                                           |                   |                |
|-----------------------------------------------------------|-------------------|----------------|
| Physical state:                                           | liquid            |                |
| Colour:                                                   | colourless, clear |                |
| Odour:                                                    | characteristic    |                |
| Melting point/freezing point:                             |                   | not determined |
| Boiling point or initial boiling point and boiling range: |                   | not determined |
| Flammability:                                             |                   | not determined |
| Lower explosion limits:                                   |                   | not determined |
| Upper explosion limits:                                   |                   | not determined |
| Flash point:                                              |                   | not determined |

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|                                        |                        |
|----------------------------------------|------------------------|
| Auto-ignition temperature:             | not determined         |
| Decomposition temperature:             | not determined         |
| pH-Value (at 20 °C):                   | 3-4                    |
| Viscosity / kinematic:                 | not determined         |
| Water solubility:                      | not determined         |
| Solubility in other solvents           |                        |
| not determined                         |                        |
| Partition coefficient n-octanol/water: | not determined         |
| Vapour pressure:                       | 23 hPa                 |
| Density (at 20 °C):                    | 1,01 g/cm <sup>3</sup> |
| Relative vapour density:               | not determined         |
| Particle characteristics:              | not applicable         |

**9.2. Other information****Information with regard to physical hazard classes****Explosive properties**

The product is not: Explosive.

**Sustaining combustion:**

Not sustaining combustion

**Self-ignition temperature**

Gas:

not determined

**Oxidizing properties**

none

**Other safety characteristics****Evaporation rate:**

not determined

**Solvent separation test:**

not determined

**Solvent content:**

not determined

**Solid content:**

not determined

**Sublimation point:**

not determined

**Softening point:**

not determined

**Pour point:**

not determined

**Viscosity / dynamic:**

not determined

**Flow time:**

not determined

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

see section 10.5

**10.4. Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

**10.5. Incompatible materials**

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

**10.6. Hazardous decomposition products**In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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**Acute toxicity**

Harmful if inhaled.

| CAS No   | Chemical name              |                  |         |                |          |
|----------|----------------------------|------------------|---------|----------------|----------|
|          | Exposure route             | Dose             | Species | Source         | Method   |
| 111-30-8 | glutaraldehyde             |                  |         |                |          |
|          | oral                       | LD50 135 mg/kg   | Rat     | GESTIS         |          |
|          | dermal                     | LD50 >1000 mg/kg | Rabbit  | GESTIS         |          |
|          | inhalation (4 h) vapour    | LC50 0,5 mg/l    | Rat     |                |          |
|          | inhalation (4 h) dust/mist | LC50 0,28 mg/l   | Rat     |                | OECD 403 |
| 67-56-1  | methanol                   |                  |         |                |          |
|          | oral                       | LD50 100 mg/kg   | Rat     | suppliers SDS. |          |
|          | dermal                     | LD50 300 mg/kg   | Rabbit  | suppliers SDS. |          |
|          | inhalation (4 h) vapour    | LC50 3 mg/l      | Rat     | suppliers SDS. |          |
|          | inhalation dust/mist       | ATE 0,5 mg/l     |         |                |          |

**Irritation and corrosivity**

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

Corrosive to the respiratory tract.

**Sensitising effects**

May cause allergy or asthma symptoms or breathing difficulties if inhaled. (glutaraldehyde)

May cause an allergic skin reaction. (glutaraldehyde)

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

May cause respiratory irritation. (glutaraldehyde)

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**11.2. Information on other hazards**
**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

**Other information**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

**SECTION 12: Ecological information**
**12.1. Toxicity**

Harmful to aquatic life with long lasting effects.

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| CAS No   | Chemical name            |               |           |         |                                 |                          |
|----------|--------------------------|---------------|-----------|---------|---------------------------------|--------------------------|
|          | Aquatic toxicity         | Dose          | [h]   [d] | Species | Source                          | Method                   |
| 111-30-8 | glutaraldehyde           |               |           |         |                                 |                          |
|          | Acute fish toxicity      | LC50<br>mg/l  | 12,2      | 96 h    | sheepshead minnows              | ECHA                     |
|          | Acute crustacea toxicity | EC50          | 5,1 mg/l  | 48 h    | Daphnia pulex (water flea)      | GESTIS                   |
| 67-56-1  | methanol                 |               |           |         |                                 |                          |
|          | Acute fish toxicity      | LC50<br>mg/l  | 15400     | 96 h    | Lepomis macrochirus             | ECHA Dossier             |
|          | Acute algae toxicity     | ErC50<br>mg/l | 22000     | 96 h    | Pseudokirchneriella subcapitata | ECHA Dossier             |
|          | Acute crustacea toxicity | EC50<br>mg/l  | >1000     | 48 h    | Daphnia magna                   | ECHA Dossier<br>OECD 202 |

#### 12.2. Persistence and degradability

The product has not been tested.

| CAS No  | Chemical name                                       |       |    |              |
|---------|-----------------------------------------------------|-------|----|--------------|
|         | Method                                              | Value | d  | Source       |
|         | Evaluation                                          |       |    |              |
| 67-56-1 | methanol                                            |       |    |              |
|         | other guideline                                     | 96%   | 20 | ECHA Dossier |
|         | Readily biodegradable (according to OECD criteria). |       |    |              |

#### 12.3. Bioaccumulative potential

The product has not been tested.

#### Partition coefficient n-octanol/water

| CAS No   | Chemical name  | Log Pow |
|----------|----------------|---------|
| 111-30-8 | glutaraldehyde | -0,18   |
| 67-56-1  | methanol       | -0,77   |

#### BCF

| CAS No   | Chemical name  | BCF  | Species | Source |
|----------|----------------|------|---------|--------|
| 111-30-8 | glutaraldehyde | 3,16 |         |        |
| 67-56-1  | methanol       | <10  |         |        |

#### 12.4. Mobility in soil

The product has not been tested.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

The product has not been tested.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

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#### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

#### List of Wastes Code - residues/unused products

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

#### List of Wastes Code - used product

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

#### List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

#### Contaminated packaging

Hazardous waste according to Directive 2008/98/EC (waste framework directive). Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

#### Land transport (ADR/RID)

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### Inland waterways transport (ADN)

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### Marine transport (IMDG)

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### Air transport (ICAO-TI/IATA-DGR)

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

refer to chapter 6-8

#### 14.7. Maritime transport in bulk according to IMO instruments

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not relevant

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):

glutaraldehyde

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Directive 2010/75/EU on industrial  
emissions:

No information available.

Directive 2004/42/EC on VOC in  
paints and varnishes:

No information available.

Information according to Directive  
2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

**Additional information**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

**National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile  
work protection guideline' (94/33/EC).

Water hazard class (D):

2 - obviously hazardous to water

Skin resorption/Sensitization:

Causes allergic hypersensitivity reactions.

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:

glutaraldehyde

methanol

**SECTION 16: Other information****Changes**

Rev. 1,0; 15.01.2025; Recreation from collect\_SDB

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**Abbreviations and acronyms**

Flam. Liq: Flammable liquid  
Acute Tox: Acute toxicity  
Skin Corr: Skin corrosion  
Skin Irrit: Skin irritation  
Eye Dam: Eye damage  
Eye Irrit: Eye irritation  
Resp. Sens: Respiratory sensitisation  
Skin Sens: Skin sensitisation  
STOT SE: Specific target organ toxicity - single exposure  
Aquatic Acute: Acute aquatic hazard  
Aquatic Chronic: Chronic aquatic hazard  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen  
AGW: Arbeitsplatzgrenzwert  
AVV: Abfallverzeichnisverordnung  
CAS Chemical Abstracts Service  
CLP: Classification, Labelling and Packaging of substances and mixtures  
DNEL: Derived No Effect Level  
d: day(s)  
EAKV: Europäisches Abfallverzeichnis gemäß Entwurf Abfallverzeichnisverordnung  
EINECS: European INventory of Existing Commercial chemical Substances  
ELINCS: European List of Notified Chemical Substances  
ECHA: European Chemicals Agency  
EWC: European Waste Catalogue  
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  
h: hour  
LOAEL: Lowest observed adverse effect level  
LOAEC: Lowest observed adverse effect concentration  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
NOAEL: No observed adverse effect level  
NOAEC: No observed adverse effect level  
NLP: No-Longer Polymers  
N/A: not applicable  
OECD: Organisation for Economic Co-operation and Development  
PNEC: predicted no effect concentration  
PBT: Persistent bioaccumulative toxic  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
REACH: Registration, Evaluation, Authorisation of Chemicals  
SVHC: substance of very high concern  
TRGS Technische Regeln fuer Gefahrstoffe  
UN: United Nations  
VOC: Volatile Organic Compounds  
VwVwS: Verwaltungsvorschrift wassergefahrdender Stoffe  
WGK: Wassergefährdungsklasse  
CLP: Classification, labelling and Packaging

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REACH: Registration, Evaluation and Authorization of Chemicals  
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
 UN: United Nations  
 CAS: Chemical Abstracts Service  
 DNEL: Derived No Effect Level  
 DMEL: Derived Minimal Effect Level  
 PNEC: Predicted No Effect Concentration  
 ATE: Acute toxicity estimate  
 LL50: Lethal loading, 50%  
 EL50: Effect loading, 50%  
 EC50: Effective Concentration 50%  
 ErC50: Effective Concentration 50%, growth rate  
 NOEC: No Observed Effect Concentration  
 BCF: Bio-concentration factor  
 PBT: persistent, bioaccumulative, toxic  
 vPvB: very persistent, very bioaccumulative  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route  
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 RID: Regulations concerning the international carriage of dangerous goods by rail  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
 EmS: Emergency Schedules  
 MFAG: Medical First Aid Guide  
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
 IBC: Intermediate Bulk Container  
 For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>  
 For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).  
 EC/EEC: European Community/European Economic Community  
 EU: European Union  
 M-factor: Multiplying factor  
 IATA: International Air Transport Association  
 DGR: Dangerous Goods Regulations  
 ICAO: International Civil Aviation Organization  
 TI: Technical Instructions  
 VOC: volatile organic compound

#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Acute Tox. 4; H332      | Calculation method       |
| Skin Irrit. 2; H315     | Calculation method       |
| Eye Irrit. 2; H319      | Calculation method       |
| Resp. Sens. 1; H334     | Calculation method       |
| Skin Sens. 1; H317      | Calculation method       |
| STOT SE 3; H335         | Calculation method       |
| Aquatic Chronic 3; H412 | Calculation method       |

#### Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.  
 H301 Toxic if swallowed.  
 H311 Toxic in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.

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|        |                                                                            |
|--------|----------------------------------------------------------------------------|
| H317   | May cause an allergic skin reaction.                                       |
| H318   | Causes serious eye damage.                                                 |
| H319   | Causes serious eye irritation.                                             |
| H330   | Fatal if inhaled.                                                          |
| H331   | Toxic if inhaled.                                                          |
| H332   | Harmful if inhaled.                                                        |
| H334   | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335   | May cause respiratory irritation.                                          |
| H370   | Causes damage to organs.                                                   |
| H400   | Very toxic to aquatic life.                                                |
| H411   | Toxic to aquatic life with long lasting effects.                           |
| H412   | Harmful to aquatic life with long lasting effects.                         |
| EUH071 | Corrosive to the respiratory tract.                                        |

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*