

**Trade name:** Wash Buffer 3**Current version :** 2.0.4, issued: 06.08.2025**Replaced version:** 2.0.3, issued: 24.06.2025**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Wash Buffer 3**

Substance name ethanol  
REACH registration no. 01-2119457610-43

**Identification numbers**

CAS no. 64-17-5  
EC no. 200-578-6  
Index no. 603-002-00-5

**Form****The product is included in the following product sets:**

**SP947855P196** IndiMag Pathogen KF96 Cartridge (96)  
**SP947855P496** IndiMag Pathogen KF96 Cartridge (4 x 96)  
**SP947855P1696** IndiMag Pathogen KF96 Cartridge (16 x 96)

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

Chemical reagent

**Uses advised against**

No data available.

**1.3 Details of the supplier of the safety data sheet****Address**

INDICAL BIOSCIENCE GmbH  
Deutscher Platz 5b  
04103 Leipzig  
Germany

Telephone no. +49 341 12454 0  
Fax no. +49 341 12454 60  
e-mail compliance@indical.com

**Advice on Safety Data Sheet**

sdb\_info@umco.de

**1.4 Emergency telephone number**

For medical advice (in German and English):  
+49 (0)551 192 40 (Giftinformationszentrum Nord)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Eye Irrit. 2; H319  
Flam. Liq. 2; H225

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3 and 4 of Annex I to CLP.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

**Product identifier**

64-17-5 (ethanol)

**Hazard pictograms**

GHS02



GHS07

**Signal word**

Danger

**Hazard statement(s)**

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

**Precautionary statement(s)**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take action to prevent static discharges.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P403+P235 Store in a well-ventilated place. Keep cool.

**2.3 Other hazards**

Vapours can form an explosive mixture with air. This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**PBT assessment**

The product is not considered to be a PBT.

**vPvB assessment**

The product is not considered to be a vPvB.

**SECTION 3: Composition/information on ingredients****3.1 Substances****Chemical characterization**

Substance name ethanol  
Formula C<sub>2</sub>H<sub>5</sub>OH  
Molecular weight 46.07

**Identification numbers**

CAS no. 64-17-5  
EC no. 200-578-6  
Index no. 603-002-00-5

**3.2 Mixtures**

Not applicable. The product is not a mixture.

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

**After inhalation**

Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Take medical treatment.

**After skin contact**

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

**After eye contact**

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

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

No data available.

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

No data available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Water spray jet; ABC powder; Carbon dioxide

**Unsuitable extinguishing media**

High power water jet

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

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO)

**5.3 Advice for firefighters**

Use self-contained breathing apparatus. Cool endangered containers with water spray jet. Run-off water from fire fighting must not be discharged into drains or enter surface water. Vapours can form an explosive mixture with air. Do not inhale explosion and/or combustion byproducts.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Keep away from ignition sources. Avoid contact with eyes and clothing.

**For emergency responders**

Personal protective equipment (PPE) - see section 8.

**6.2 Environmental precautions**

Do not allow to enter soil, waterways or waste water canal.

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

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

**6.4 Reference to other sections**

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

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

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Provide good room ventilation even at ground level (vapours are heavier than air). Avoid contact with skin and eyes. Do not breathe steams or mist of the product.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Use barrier skin cream. Have emergency shower available. Provide eye wash fountain in work area.

**Advice on protection against fire and explosion**

Vapours can form an explosive mixture with air. Use explosion proof electric equipment. No sparking tools should be used. Do not smoke. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

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

**Recommended storage temperature**

Value 15 - 25 °C

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully closed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor. Storage rooms must be properly ventilated. Protect from heat and direct sunlight.

**Incompatible products**

Do not store together with: spontaneously combusting substances; oxidizing substances

**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limit values**

| No  | Substance name                            | CAS no. | EC no.                     |
|---|---|---------|----------------------------|
| 1   | ethanol                                   | 64-17-5 | 200-578-6                  |
| <b>List of approved workplace exposure limits (WELs) / EH40</b> |   |         |                            |
|   | Ethanol                                   |         |                            |
|   | WEL long-term (8-hr TWA reference period) | 1920    | mg/m <sup>3</sup> 1000 ppm |

**DNEL, DMEL and PNEC values****DNEL values (worker)**

| No | Substance name    | CAS / EC no         |          |                       |
|----|-------------------|---------------------|----------|-----------------------|
|    | Route of exposure | Exposure time       | Effect   | Value                 |
| 1  | ethanol           |                     |          | 64-17-5<br>200-578-6  |
|    | dermal            | Long term (chronic) | systemic | 8238 mg/kg/day        |
|    | inhalative        | Long term (chronic) | systemic | 380 mg/m <sup>3</sup> |

**DNEL value (consumer)**

| No | Substance name    | CAS / EC no         |          |                       |
|----|-------------------|---------------------|----------|-----------------------|
|    | Route of exposure | Exposure time       | Effect   | Value                 |
| 1  | ethanol           |                     |          | 64-17-5<br>200-578-6  |
|    | inhalative        | Long term (chronic) | systemic | 114 mg/m <sup>3</sup> |

**PNEC values**

| No | Substance name         | CAS / EC no          |                      |                  |
|----|------------------------|----------------------|----------------------|------------------|
|    | ecological compartment | Type                 | Value                |                  |
| 1  | ethanol                |                      | 64-17-5<br>200-578-6 |                  |
|    | water                  | fresh water          | 0.96                 | mg/L             |
|    | water                  | marine water         | 0.79                 | mg/L             |
|    | water                  | fresh water sediment | 3.6                  | mg/kg dry weight |

|                        |                       |      |                  |
|------------------------|-----------------------|------|------------------|
| water                  | marine water sediment | 2.9  | mg/kg dry weight |
| soil                   | -                     | 0.63 | mg/kg            |
| sewage treatment plant | -                     | 580  | mg/L             |
| secondary poisoning    | -                     | 0.38 | mg/kg food       |

## 8.2 Exposure controls

### Appropriate engineering controls

Ensure adequate ventilation, local exhaust at the work station if necessary.

### Personal protective equipment

#### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respirator ABEK2P3

#### Eye / face protection

Safety glasses with side protection shield (EN 166)

#### Hand protection

Chemicals- / solvent-resistant gloves (EN 374); Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves. In case of short-term contact / splash protection: In case of longer-term contact:

|                      |     |   |       |     |
|----------------------|-----|---|-------|-----|
| Appropriate Material | NBR |   |       |     |
| Breakthrough time    | 240 | - | 480   | min |
| Appropriate Material | NBR |   |       |     |
| Material thickness   |     |   | 0.425 | mm  |
| Breakthrough time    | >   |   | 480   | min |

#### Other

Solvent-resistant protective clothing; Fire-resistant antistatic protective clothing.

#### Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                      |          |
|--------------------------------------|----------|
| <b>State of aggregation</b>          |          |
| liquid                               |          |
| <b>Form</b>                          |          |
| liquid                               |          |
| <b>Colour</b>                        |          |
| colourless                           |          |
| <b>Odour</b>                         |          |
| No data available                    |          |
| <b>pH value</b>                      |          |
| Value                                | 7        |
| Reference temperature                | 20 °C    |
| <b>Boiling point / boiling range</b> |          |
| Value                                | 78.3 °C  |
| Reference pressure                   | 1013 hPa |
| <b>Melting point/freezing point</b>  |          |
| Value                                | -117 °C  |

| <b>Decomposition temperature</b>                         |                |         |                   |
|--|----------------|---------|-------------------|
| No data available  |                |         |                   |
| <b>Flash point</b>                                       |                |         |                   |
| Value  |                | 12      | °C                |
| Method   | closed cup     |         |                   |
| <b>Ignition temperature</b>                              |                |         |                   |
| No data available  |                |         |                   |
| <b>Auto-ignition temperature</b>                         |                |         |                   |
| Value  |                | 425     | °C                |
| <b>Flammability</b>                                      |                |         |                   |
| highly flammable   |                |         |                   |
| <b>Lower explosion limit</b>                             |                |         |                   |
| Value  |                | 3.3     | % vol             |
| <b>Upper explosion limit</b>                             |                |         |                   |
| Value  |                | 19      | % vol             |
| <b>Vapour pressure</b>                                   |                |         |                   |
| Value  |                | 59      | hPa               |
| Reference temperature                                    |                | 20      | °C                |
| <b>Relative vapour density</b>                           |                |         |                   |
| Value  |                | 1.59    |                   |
| Reference temperature                                    |                | 20      | °C                |
| <b>Relative density</b>                                  |                |         |                   |
| No data available  |                |         |                   |
| <b>Density</b>   |                |         |                   |
| Value  |                | 0.7895  | g/cm <sup>3</sup> |
| Reference temperature                                    |                | 20      | °C                |
| <b>Solubility in water</b>                               |                |         |                   |
| Reference temperature                                    |                | 20      | °C                |
| Comments   | soluble        |         |                   |
| <b>Solubility</b>  |                |         |                   |
| No data available  |                |         |                   |
| <b>Partition coefficient n-octanol/water (log value)</b> |                |         |                   |
| No   | Substance name | CAS no. | EC no.            |
| 1  | ethanol        | 64-17-5 | 200-578-6         |
| log Pow  |                |         | -0.35             |
| Reference temperature                                    |                |         | 24 °C             |
| Method   | OECD 107       |         |                   |
| Source   | ECHA           |         |                   |
| <b>Kinematic viscosity</b>                               |                |         |                   |
| Value  |                | 1.2     | mPa*s             |
| Reference temperature                                    |                | 20      | °C                |
| Type   | dynamic        |         |                   |
| <b>Particle characteristics</b>                          |                |         |                   |
| No data available  |                |         |                   |

**9.2 Other information**

|                          |
|--------------------------|
| <b>Other information</b> |
| No data available.       |

**SECTION 10: Stability and reactivity**

with 1907/2006/EC

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**10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4 Conditions to avoid**

Heat, naked flames or other ignition sources, electrostatic charge and discharge, formation of vapours/aerosols.

**10.5 Incompatible materials**

No data available.

**10.6 Hazardous decomposition products**

None if stored, handled and transported properly. In case of fire: see section 5.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

| Acute oral toxicity |                |         |                  |
|---------------------|----------------|---------|------------------|
| No                  | Substance name | CAS no. | EC no.           |
| 1                   | ethanol        | 64-17-5 | 200-578-6        |
| LD50                |                | 10470   | mg/kg bodyweight |
| Species             | rat            |         |                  |
| Method              | OECD 401       |         |                  |
| Source              | ECHA           |         |                  |

| Acute dermal toxicity |  |  |  |
|-----------------------|--|--|--|
| No data available     |  |  |  |

| Acute inhalational toxicity |                |         |           |
|-----------------------------|----------------|---------|-----------|
| No                          | Substance name | CAS no. | EC no.    |
| 1                           | ethanol        | 64-17-5 | 200-578-6 |
| LC50                        |                | 124.7   | mg/l      |
| Duration of exposure        |                | 4       | h         |
| State of aggregation        | Vapour         |         |           |
| Species                     | rat            |         |           |
| Method                      | OECD 403       |         |           |
| Source                      | ECHA           |         |           |

| Skin corrosion/irritation |                |         |           |
|---------------------------|----------------|---------|-----------|
| No                        | Substance name | CAS no. | EC no.    |
| 1                         | ethanol        | 64-17-5 | 200-578-6 |
| Species                   | rabbit         |         |           |
| Method                    | OECD 404       |         |           |
| Source                    | ECHA           |         |           |
| Evaluation                | non-irritant   |         |           |

| Serious eye damage/irritation |                |         |           |
|-------------------------------|----------------|---------|-----------|
| No                            | Substance name | CAS no. | EC no.    |
| 1                             | ethanol        | 64-17-5 | 200-578-6 |
| Species                       | rabbit         |         |           |
| Method                        | OECD 405       |         |           |
| Source                        | ECHA           |         |           |
| Evaluation                    | irritant       |         |           |

| Respiratory or skin sensitisation |  |  |  |
|-----------------------------------|--|--|--|
| No data available                 |  |  |  |

| Germ cell mutagenicity |  |  |  |
|------------------------|--|--|--|
| No data available      |  |  |  |

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| No                        | Substance name | CAS no.   | EC no.    |
|---------------------------|----------------|---|-----------|
| 1                         | ethanol        | 64-17-5   | 200-578-6 |
| Method                    |                | OECD 471  |           |
| Source                    |                | ECHA  |           |
| Evaluation/classification |                | Based on available data, the classification criteria are not met. |           |

| Reproduction toxicity |                |  |            |
|-----------------------|----------------|--|------------|
| No                    | Substance name | CAS no.                                    | EC no.     |
| 1                     | ethanol        | 64-17-5                                    | 200-578-6  |
| Route of exposure     |                | oral                                       |            |
| NOAEL                 |                | 13800                                      | mg/kg bw/d |
| Type of examination   |                | Two-Generation Reproduction Toxicity Study |            |
| Method                |                | OECD 416                                   |            |
| Source                |                | ECHA                                       |            |

| Carcinogenicity   |  |  |  |
|-------------------|--|--|--|
| No data available |  |  |  |

| STOT - single exposure |  |  |  |
|------------------------|--|--|--|
| No data available      |  |  |  |

| STOT - repeated exposure |  |  |  |
|--------------------------|--|--|--|
| No data available        |  |  |  |

| Aspiration hazard |  |  |  |
|-------------------|--|--|--|
| No data available |  |  |  |

| Endocrine disrupting properties |  |  |  |
|---------------------------------|--|--|--|
| No data available               |  |  |  |

## 11.2 Information on other hazards

### Other information

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Toxicity to fish (acute) |                |                     |           |
|--------------------------|----------------|---------------------|-----------|
| No                       | Substance name | CAS no.             | EC no.    |
| 1                        | ethanol        | 64-17-5             | 200-578-6 |
| LC50                     |                | 15300               | mg/l      |
| Duration of exposure     |                | 96                  | h         |
| Species                  |                | Oncorhynchus mykiss |           |
| Method                   |                | OECD 203            |           |
| Source                   |                | ECHA                |           |

| Toxicity to fish (chronic) |                |             |           |
|----------------------------|----------------|-------------|-----------|
| No                         | Substance name | CAS no.     | EC no.    |
| 1                          | ethanol        | 64-17-5     | 200-578-6 |
| NOEC                       |                | 250         | mg/l      |
| Duration of exposure       |                | 120         | h         |
| Species                    |                | Danio rerio |           |
| Method                     |                | OECD 212    |           |
| Source                     |                | ECHA        |           |

| Toxicity to Daphnia (acute) |                |                        |           |
|-----------------------------|----------------|------------------------|-----------|
| No                          | Substance name | CAS no.                | EC no.    |
| 1                           | ethanol        | 64-17-5                | 200-578-6 |
| EC50                        |                | 5012                   | mg/l      |
| Duration of exposure        |                | 48                     | h         |
| Species                     |                | Ceriodaphnia dubia     |           |
| Method                      |                | ASTM Standard E 729-80 |           |

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|        |      |
|--------|------|
| Source | ECHA |
|--------|------|

| Toxicity to Daphnia (chronic) |                |               |           |
|-------------------------------|----------------|---------------|-----------|
| No                            | Substance name | CAS no.       | EC no.    |
| 1                             | ethanol        | 64-17-5       | 200-578-6 |
| NOEC                          |                | 9.6           | mg/l      |
| Duration of exposure          |                | 10            | day(s)    |
| Species                       |                | Daphnia magna |           |
| Method                        |                | OECD 211      |           |
| Source                        |                | ECHA          |           |

| Toxicity to algae (acute) |                |                    |           |
|---------------------------|----------------|--------------------|-----------|
| No                        | Substance name | CAS no.            | EC no.    |
| 1                         | ethanol        | 64-17-5            | 200-578-6 |
| ErC50                     |                | 275                | mg/l      |
| Duration of exposure      |                | 72                 | h         |
| Species                   |                | Chlorella vulgaris |           |
| Method                    |                | OECD 201           |           |
| Source                    |                | ECHA               |           |

| Toxicity to algae (chronic) |  |
|-----------------------------|--|
| No data available           |  |

| Bacteria toxicity |  |
|-------------------|--|
| No data available |  |

## 12.2 Persistence and degradability

| Biodegradability |                |                        |           |
|------------------|----------------|------------------------|-----------|
| No               | Substance name | CAS no.                | EC no.    |
| 1                | ethanol        | 64-17-5                | 200-578-6 |
| Type             |                | aerobic biodegradation |           |
| Value            |                | appr. 84               | %         |
| Duration         |                | 20                     | day(s)    |
| Source           |                | ECHA                   |           |
| Evaluation       |                | readily biodegradable  |           |

## 12.3 Bioaccumulative potential

| Partition coefficient n-octanol/water (log value) |                |          |           |
|---|----------------|----------|-----------|
| No  | Substance name | CAS no.  | EC no.    |
| 1   | ethanol        | 64-17-5  | 200-578-6 |
| log Pow   |                | -0.35    |           |
| Reference temperature                             |                | 24       | °C        |
| Method  |                | OECD 107 |           |
| Source  |                | ECHA     |           |

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

| Results of PBT and vPvB assessment |   |
|------------------------------------|---|
| Product Name                       |   |
| Wash Buffer 3                      |   |
| PBT assessment                     | The product is not considered to be a PBT.  |
| vPvB assessment                    | The product is not considered to be a vPvB. |

## 12.6 Endocrine disrupting properties

No data available.

## 12.7 Other adverse effects

No data available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**SECTION 14: Transport information****14.1 UN number or ID number**

|                |        |
|----------------|--------|
| ADR/RID/ADN    | UN1170 |
| IMDG           | UN1170 |
| ICAO-TI / IATA | UN1170 |

**14.2 UN proper shipping name**

|                |                  |
|----------------|------------------|
| ADR/RID/ADN    | ETHANOL SOLUTION |
| IMDG           | ETHANOL SOLUTION |
| ICAO-TI / IATA | Ethanol solution |

**14.3 Transport hazard class(es)**

|                           |     |
|---------------------------|-----|
| ADR/RID/ADN - Class       | 3   |
| Label                     | 3   |
| Classification code       | F1  |
| Tunnel restriction code   | D/E |
| Hazard identification no. | 33  |
| IMDG - Class              | 3   |
| Label                     | 3   |
| ICAO-TI / IATA - Class    | 3   |
| Label                     | 3   |

**14.4 Packing group**

|                |    |
|----------------|----|
| ADR/RID/ADN    | II |
| IMDG           | II |
| ICAO-TI / IATA | II |

**14.5 Environmental hazards**

|     |          |
|-----|----------|
| EmS | F-E, S-D |
|-----|----------|

**14.6 Special precautions for user**

To be transported always in closed, upright and safe containers. Make sure that persons handling these containers are aware of the rules of conduct in case of incident or spillage.

**14.7 Maritime transport in bulk according to IMO instruments**

Not relevant

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

In accordance with the REACH regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

|   |
|---|
| In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list"). |
|---|

| <b>Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES</b> |  |
|---|--|
|---|--|

|  |          |
|--|----------|
| The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. | No 3, 40 |
|--|----------|

| <b>Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances</b> |  |
|---|--|
|---|--|

|  |     |
|--|-----|
| This product is subject to Part I of Annex I, risk category: | P5b |
|--|-----|

| <b>Other regulations</b> |
|--------------------------|
|--------------------------|

|  |
|--|
| Adhere to the national sanitary and occupational safety regulations when using this product. |
|--|

**15.2 Chemical safety assessment**

A chemical safety assessment has been carried out for this substance.

**SECTION 16: Other information****Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

**Creation of the safety data sheet**

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

**Alterations/supplements:**

Alterations to the previous edition are marked in the left-hand margin.

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