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

1.1 **Product identifier**

Trade name

KRONES hydrocare RO 4000

Substance name REACH registration no. sodium metabisulphite 01-2119531326-45

Identification numbers

7681-57-4 231-673-0 016-063-00-2

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

Relevant identified uses of the substance or mixture mineral salt

Uses advised against No data available.

1.3 Details of the supplier of the safety data sheet

Address

EC no.

Index no.

KIC KRONES Internationale Cooperationsgesellschaft mbH Böhmerwaldstraße 5 93073 Neutraubling

Telephone no.+49 9401 70-3020e-mailkic@kic-krones.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) In case of transport incidents and other emergencies: +44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP) Acute Tox. 4*; H302 Eye Dam. 1; H318

Classification information

(*,**,****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

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

7681-57-4 (sodium metabisulphite)

Hazard pictograms

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| | I SHS07 |
|-------------------------------------|--|
| Signal word Danger | |
| Hazard statement(s) H302 H318 | Harmful if swallowed. Causes serious eye damage. |
| Hazard statements (EU) EUH031 | Contact with acids liberates toxic gas. |
| Precautionary statemen | |
| P264 P280 | Wash thoroughly after handling. 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. |
| P310 | Immediately call a POISON CENTER/doctor. |
| P330 | Rinse mouth. |
| P501 | Dispose of contents/container to a facility in accordance with local and national regulations. |

2.3 Other hazards

PBT assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterization

Substance name sodium metabisulphite

| Identification numbers | |
|------------------------|--------------|
| CAS no. | 7681-57-4 |
| EC no. | 231-673-0 |
| Index no. | 016-063-00-2 |

Acute toxicity estimate (ATE) values

| oral | dermal | inhalative |
|-----------------------|--------|------------|
| 1540 mg/kg bodyweight | | |

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 soiled or soaked clothing immediately. In all cases of doubt, or when sickness symptoms persist, seek medical attention.

After inhalation

Ensure supply of fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid

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actions.

After skin contact

Wash with plenty of soap and water.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a doctor immediately.

After ingestion

Rinse mouth. Do not induce vomiting. Call a doctor immediately.

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

Harmful if swallowed. Causes serious eye damage.

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 Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

Unsuitable extinguishing media High power water jet

5.2 Special hazards arising from the substance or mixture

Container may burst in case of fire.

5.3 Advice for firefighters

Do not inhale explosion and/or combustion byproducts. Do not allow run-off from fire fighting to enter drains or water courses. Collect contaminated fire extinguishing water separately and dispose of according to legal regulations. Fight fire with normal precautions from a reasonable distance. Co-ordinate firefighting measures to the fire surroundings. In case of combustion use a suitable breathing apparatus. Cool container with water spray jet.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety. Ensure adequate ventilation. Wear appropriate protective gears to avoid breathing vapor and contact with skin, eyes or clothing. Do not inhale dust.

For emergency responders

Personal protective equipment (PPE) - see section 8. Breathing apparatus must be worn when exposed to the effects of vapors, dusts, aerosols and gases.

6.2 Environmental precautions

Do not allow to enter soil, waterways or waste water canal. Collect contaminated water / firefighting water separately. Knock down dust with water spray jet.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g., sand, kieselguhr, acid binder, universal binder, sawdust) and send for disposal. Ensure adequate ventilation.

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

Ensure adequate ventilation. Removal of dust deposits. Open and handle container with care. Dust deposits can

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accumulate on all deposit surfaces in an operating room.

General protective and hygiene measures

Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Do not inhale dust. Avoid contact with eyes. Use barrier skin cream. Contaminated work clothing should not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed, cool and dry. Protect from heat and direct sunlight. Protect against humidity

Recommended storage temperature

10 - 27 °C

Requirements for storage rooms and vessels

Keep only in the original container. Storage rooms must be properly ventilated.

7.3 Specific end use(s)

Value

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 | sodium metabisulphite | 7681-57-4 | | 231-673-0 | |
| | List of approved workplace exposure limits (WELs) / | EH40 | | | |
| | Disodium disulphite | | | | |
| | WEL long-term (8-hr TWA reference period) | 5 | mg/m³ | | |
| 2 | sulphur dioxide | 7446-09-5 | | 231-195-2 | |
| | 2017/164/EU | | | | |
| | Sulphur dioxide | | | | |
| | WEL short-term (15 min reference period) | 2.7 | mg/m³ | 1 | ppm |
| | WEL long-term (8-hr TWA reference period) | 1.3 | mg/m³ | 0.5 | ppm |
| | List of approved workplace exposure limits (WELs) / | EH40 | | | |
| | Sulphur dioxide | | | | |
| | WEL short-term (15 min reference period) | 2.7 | mg/m³ | 1 | ppm |
| | WEL long-term (8-hr TWA reference period) | 1.3 | mg/m³ | 0.5 | ppm |

DNEL, DMEL and PNEC values

| | DNEL values (worker) | | | |
|----|-----------------------|---------------------|----------|-----------------------|
| No | Substance name | | | CAS / EC no |
| | Route of exposure | Exposure time | Effect | Value |
| 1 | sodium metabisulphite | · | | 7681-57-4 |
| | | | | 231-673-0 |
| | inhalative | Long term (chronic) | systemic | 225 mg/m ³ |

DNEL value (consumer)

| No | Substance name | | | CAS / EC | C no |
|----|--|---------------------|----------|----------|--------------|
| | Route of exposure Exposure time Effect | | | Value | |
| 1 | sodium metabisulphite | | | 7681-57- | 4 |
| | | | | 231-673- | 0 |
| | oral | Long term (chronic) | systemic | 8.6 | mg/kg bw/day |
| | inhalative | Long term (chronic) | systemic | 66 | mg/m³ |

PNEC values

| No | Substance name | | CAS / EC no | |
|----|------------------------|--------------|-------------|------|
| | ecological compartment | Туре | Value | |
| 1 | sodium metabisulphite | | 7681-57-4 | |
| | | | 231-673-0 | |
| | water | fresh water | 1 | mg/L |
| | water | marine water | 0.1 | mg/L |

| Trade name: KRONES | hydrocare RO 4000 |
|--------------------|-------------------|
|--------------------|-------------------|

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|---|------------------------|--------------------------------|------|------|------------|
| | sewage treatment plant | - | 75.4 | mg/L | |
| 0 7 | | | | | |

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

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. Particulate filter device (EN 143).

Eye / face protection

Safety glasses (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. 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.

| 1 1 | 0 |
|----------------------|-------------|
| Appropriate Material | chloroprene |

| Appropriate material | Childropiche | | |
|----------------------|-------------------------|--------------|-----------|
| Material thickness | | 0.5 | mm |
| Breakthrough time | > | 480 | min |
| Appropriate Material | NBR | | |
| Material thickness | >= | 0.35 | |
| Breakthrough time | > | 480 | min |
| Appropriate Material | IIR: butyl rubber, isob | utene-isopre | ne rubber |
| Material thickness | >= | 0.5 | mm |
| Breakthrough time | > | 480 | min |
| Appropriate Material | IIR: butyl rubber, isob | utene-isopre | ne rubber |
| Material thickness | >= | 0.5 | mm |
| Breakthrough time | > | 480 | min |
| - | | | |

Other

Chemical-resistant work clothes.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Prevent penetration into the sewage system or into surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| State of aggregation | | | | |
|-------------------------------|--------------|-------|-----|--|
| solid | | | | |
| Form/Colour | | | | |
| crystalline | | | | |
| white to yellowish | | | | |
| Odour | | | | |
| of sulphur dioxide | | | | |
| pH value | | | | |
| Value | 3.5 | - 5.5 | | |
| Reference temperature | | 20 | °C | |
| Concentration | | 50 | g/L | |
| Source | Manufacturer | | | |
| Boiling point / boiling range | | | | |
| No data available | | | | |
| NU Uata avaliable | | | | |

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|---|--------------|------------------------|-------------|-----------|
| | | | | |
| Melting point/freezing point Value | > | 120 | °C | |
| | - | 120 | C | |
| Decomposition temperature | | 450 | *0 | |
| Value Source | > ECHA | 150 | °C | |
| | 2011/1 | | | |
| Flash point No data available | | | | |
| | | | | |
| Ignition temperature No data available | | | | |
| | | | | |
| Oxidising properties The product does not have oxidizing prope | erties. | | | |
| Explosive properties | | | | |
| Product does not present an explosion haz | zard. | | | |
| Flammability | | | | |
| not flammable | | | | |
| | | | | |
| Lower explosion limit No data available | | | | |
| | | | | |
| Upper explosion limit No data available | | | | |
| | | | | |
| Vapour pressure | | | | |
| No data available | | | | |
| Relative vapour density No data available | | | | |
| | | | | |
| Relative density | | | | |
| No data available | | | | |
| Density | | | | |
| Value Reference temperature | | 2.36 20 | g/cm³ °C | |
| Source | Manufacturer | 20 | C | |
| | | | | |
| Solubility in water Value | | 650 | g/l | |
| Reference temperature | | 20 | °C | |
| Source | Manufacturer | | - | |
| Solubility | | | | |
| No data available | | | | |
| Partition coefficient n-octanol/water (lo | a valuo) | | | |
| No data available | g value/ | | | |
| Viscosity | | | | |
| No data available | | | | |
| Particle characteristics | | | | |
| No data available | | | | |
| | | | | |
| 2 Other information | | | | |
| Other information | | | | |

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

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10.2 Chemical stability

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

10.3 Possibility of hazardous reactions In contact with acid, emits toxic gases.

10.4 Conditions to avoid Do not mix with acids. Protect from heat and direct sunlight. Protect against humidity.

10.5 Incompatible materials Oxidizing agents; Toxic gases are released on contact with acids.

10.6 Hazardous decomposition products

None if stored, handled and transported properly.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

| Acu | te oral toxicity | | | |
|------|-----------------------|-------------------------------|--------------|-----------------------------|
| No | Substance name | CAS no. | | EC no. |
| 1 | sodium metabisulphite | 7681-57-4 | | 231-673-0 |
| LD5 | 0 | | 1540 | mg/kg bodyweight |
| Spee | cies | rat | | |
| Meth | nod | OECD 401 | | |
| Sou | ce | ECHA | | |
| Eval | uation/classification | On the basis of the available | information, | the classification criteria |
| | | are not met. | | |

| Acu | te dermal toxicity | | | |
|------|-----------------------|---------------------|-----------------------|-------------------------------|
| No | Substance name | CAS | no. | EC no. |
| 1 | sodium metabisulphite | 7681 | -57-4 | 231-673-0 |
| LD5 | 0 | > | 2000 | mg/kg bodyweight |
| Spee | cies | rabbit | | |
| Meth | nod | OECD 402 | | |
| Sour | rce | ECHA | | |
| Eval | uation/classification | On the basis of the | available information | , the classification criteria |
| | | are not met. | | |

| Acu | te inhalational toxicity | | | | |
|------|--------------------------|---------------------|-----------------------|------------------------------|-----|
| No | Substance name | CAS | no. | EC no. | |
| 1 | sodium metabisulphite | 7681 | -57-4 | 231-673-0 | |
| LC5 | 0 | > | 5.5 | mg/l | |
| Dura | ation of exposure | | 4 | h | |
| Stat | e of aggregation | Dust/mist | | | |
| Spe | cies | rat | | | |
| Meth | hod | OECD 403 | | | |
| Sou | rce | ECHA | | | |
| Eval | luation/classification | On the basis of the | available information | on, the classification crite | ria |
| | | are not met. | | | |

| No | Substance name | CAS no. | EC no. |
|---------------------------|-----------------------|---|--------------------------------------|
| 1 | sodium metabisulphite | 7681-57-4 | 231-673-0 |
| Spe | cies | rat | |
| Meth | nod | OECD 404 | |
| Soui | rce | ECHA | |
| Eval | uation | non-irritant | |
| Evaluation/classification | | On the basis of the available info are not met. | rmation, the classification criteria |

| No | Substance name | CAS no. | EC no. | |
|----|----------------|---------|--------|--|

| 1 | sodium metabisulphite | 7681-57-4 231-673-0 | |
|---|---|---|---------------|
| Spe | cies | rabbit | |
| Met | hod | OECD 405 | |
| Sou | rce | ECHA | |
| | luation | strongly corrosive | |
| Eva | luation/classification | Based on available data, the classification criteria are n | net. |
| Res | piratory or skin sensitisation | | |
| No | Substance name | CAS no. EC no. | |
| 1 | sodium metabisulphite | 7681-57-4 231-673-0 | |
| Rou | te of exposure | Skin | |
| | cies | mouse | |
| | hod | OECD 429 | |
| Sou | rce | ECHA | |
| | luation | non-sensitizing | |
| Eva | luation/classification | On the basis of the available information, the classification | tion criteria |
| | | are not met. | |
| | | | |
| Ger | m cell mutagenicity | | |
| | m cell mutagenicity data available | | |
| No | data available | | |
| No (Rep | | | |
| No (Rep No (| data available production toxicity data available | | |
| No (Rep No (Car | data available production toxicity | | |
| No (Rep No (Car | data available production toxicity data available cinogenicity data available | | |
| No (Rep No (Car No (STC | data available production toxicity data available cinogenicity data available DT - single exposure | | |
| No (Rep No (Car No (STC | data available production toxicity data available cinogenicity data available DT - single exposure data available | | |
| No o Rep No o Car No o STC | data available production toxicity data available cinogenicity data available DT - single exposure data available DT - repeated exposure | | |
| No o Rep No o STC No o STC No o | data available production toxicity data available cinogenicity data available DT - single exposure data available DT - repeated exposure Substance name | CAS no. EC no. | |
| No o Rep No o STC No o STC No o STC | data available production toxicity data available cinogenicity data available OT - single exposure data available OT - repeated exposure Substance name sodium metabisulphite | CAS no. EC no. 7681-57-4 231-673-0 | |
| No (Rep No (Car No (STC No (STC No (STC No (STC No (STC No (STC No (STC | data available roduction toxicity data available cinogenicity data available DT - single exposure data available DT - repeated exposure Substance name sodium metabisulphite tte of exposure | CAS no. EC no. 7681-57-4 231-673-0 oral | 1 bw/d |
| No (Rep No (Car No (STC No (STC No (STC No (No (No (No (No (No (No ()))) | data available roduction toxicity data available cinogenicity data available DT - single exposure data available DT - repeated exposure Substance name sodium metabisulphite tte of exposure AEL | CAS no. EC no. 7681-57-4 231-673-0 | j bw/d |
| No (Rep No (Car No (STC No (STC No (STC No (STC No (STC STC STC STC | data available roduction toxicity data available cinogenicity data available DT - single exposure data available DT - repeated exposure Substance name sodium metabisulphite tte of exposure AEL cies | CAS no. EC no. 7681-57-4 231-673-0 oral 108 mg/kg | j bw/d |
| No (Rep No (Car No (STC No (STC No (STC No (STC No (STC No (STC STC STC STC STC STC STC STC | data available roduction toxicity data available cinogenicity data available DT - single exposure data available DT - repeated exposure Substance name sodium metabisulphite tte of exposure AEL cies | CAS no. EC no. 7681-57-4 231-673-0 oral 108 mg/kg rat | |

11.2 Information on other hazards

Endocrine disrupting properties No data available.

Other information No data available.

SECTION 12: Ecological information

12.1 Toxicity

| Tox | Toxicity to fish (acute) | | | | |
|------|--------------------------|---------------------|-------|-----------|--|
| No | Substance name | CAS r | 10. | EC no. | |
| 1 | sodium metabisulphite | 7681- | 57-4 | 231-673-0 | |
| LC5 | 0 | > 215 | - 463 | mg/l | |
| Dura | ation of exposure | | 96 | h | |
| Spe | cies | Leuciscus idus | | | |
| Met | nod | DIN 38 412, part L1 | 5 | | |
| Sou | rce | ECHA | | | |
| - | | | | | |
| Iox | city to fish (chronic) | | | | |
| No | Substance name | CAS r | 10. | EC no. | |

| 1 sodium metabisulphite | 7681-57-4 | 231-673-0 |
|--|-------------------------------------|-----------|
| NOEC | >= 316 | |
| Duration of exposure | 34 | day(s) |
| Species | Danio rerio | |
| Method | OECD 210 | |
| Source | ECHA | |
| | | |
| Toxicity to Daphnia (acute) No Substance name | CAS no. | EC no. |
| 1 sodium metabisulphite | 7681-57-4 | 231-673-0 |
| EC50 | 89 | |
| Duration of exposure | 48 | h |
| Species | Daphnia magna | " |
| Method | 79/831/EEC, appendix V, part C | |
| Source | ECHA | |
| | 20.00 | |
| Toxicity to Daphnia (chronic) No Substance name | CAS no. | EC no. |
| | CAS no. 7681-57-4 | 231-673-0 |
| 1 sodium metabisulphite NOEC | | |
| | > 10 | mg/l |
| Duration of exposure | | day(s) |
| Species Method | Daphnia magna OECD 211 | |
| Source | ECHA | |
| Source | ECHA | |
| Toxicity to algae (acute) | | |
| No Substance name | CAS no. | EC no. |
| 1 sodium metabisulphite | 7681-57-4 | 231-673-0 |
| EC50 | 43. | 0 |
| Duration of exposure | . – | h |
| Species Method | Desmodesmus subspicatus OECD 201 | |
| Source | ECHA | |
| Source | ECHA | |
| Toxicity to algae (chronic) | | |
| No data available | | |
| Bacteria toxicity | | |
| No Substance name | CAS no. | EC no. |
| 1 sodium metabisulphite | 7681-57-4 | 231-673-0 |
| NOEC | > 100 | 00 mg/l |
| Duration of exposure | 3 | h |
| Species | activated sludge | |
| Method | OECD 209 | |
| Source | ECHA | |
| | | |

| No | Substance name | CAS no. | EC no. |
|---------------------------|-----------------------|--|-----------------------|
| 1 | sodium metabisulphite | 7681-57-4 | 231-673-0 |
| Sou | rce | ECHA | |
| Evaluation/classification | | The substance is an inorganic compound | and is not subject to |
| | | biodegradation. | - |

12.3 Bioaccumulative potential

| Biod | concentration factor (BCF) | | |
|------|----------------------------|---|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | sodium metabisulphite | 7681-57-4 | 231-673-0 |
| Sou | rce | ECHA | |
| Eval | uation/classification | Because of the highly anionic nature of the substance and its instability in aqueous media, bioaccumulation is unlikely and test is not considered necessary. | |

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12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

| Results of PBT and vPvB assessment | |
|------------------------------------|--|
| PBT assessment | According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT. |
| vPvB assessment | According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be 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 No data available.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information No data available.

14.5 Environmental hazards Information on environmental hazards, if relevant, please see 14.1 - 14.3.

- **14.6** Special precautions for user No data available.
- 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").

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON

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THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006.

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

This substance is not subject to Part 1 or 2 of Annex I

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

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

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

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.

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