

SAFETY DATA SHEET

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

Revision date: 15 Feb 2023

Print date: 21 Mar 2023

Version: 1



PROOFMATE SMB A-Komponente

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

1.1. Product identifier

Trade name/designation:

PROOFMATE SMB A-Komponente

UFI:

X92X-1WVU-XJR9-F565

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

No data available

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

TPH Bausysteme GmbH

Nordportbogen 8

22848 Norderstedt

Germany

Telephone: +49 40 52 90 66 78-0

Telefax: +49 40 52 90 66 78-78

E-mail: info@tph-bausysteme.com

Website: www.tph-bausysteme.com

E-mail (competent person): sdb-info@tph-bausysteme.com

1.4. Emergency telephone number

24h: International access phone number: +1-813-248-0585 /// United States, Canada, Puerto Rico, U.S. Virgin Islands: 1-800-255-3924 (Contract No. MIS7249185) /// Australia: 1-300-954-583 /// Brazil: 0-800-591-6042 /// China: 400-120-0751 /// India: 000-800-100-4086 /// Mexico: 800-099-0731

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (Skin Sens. 1A)	H317: May cause an allergic skin reaction.	

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

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Hazard components for labelling:

KATHON CG

Hazard statements for health hazards

H317	May cause an allergic skin reaction.
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Supplemental hazard information: none

Precautionary statements Prevention

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing and eye/face protection.

Precautionary statements Response

P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Precautionary statements Disposal

P501	Dispose of contents/container to an appropriate recycling or disposal facility.
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2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 52-51-7 EC No.: 200-143-0 Index No.: 603-085-00-8	bronopol Acute Tox. 4 (H312, H302), Aquatic Acute 1 (H400), Eye Dam. 1 (H318), STOT SE 3 (H335), Skin Irrit. 2 (H315)  Danger M-factor (acute): 10	≥ 0.025 - < 0.1 weight-%
CAS No.: 55965-84-9 Index No.: 613-167-00-5	KATHON CG Acute Tox. 2 (H330, H310), Acute Tox. 3 (H301), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Skin Corr. 1C (H314), Skin Sens. 1A (H317)  Danger EUH071 M-factor (acute): 100 M-factor (chronic): 100 Specific concentration limit (SCL) Skin Corr. 1C; H314: C ≥ 0.6% Skin Irrit. 2; H315: 0.06% ≤ C < 0.6% Eye Dam. 1; H318: C ≥ 0.6% Eye Irrit. 2; H319: 0.06% ≤ C < 0.6% Skin Sens. 1A; H317: C ≥ 0.0015%	≥ 0.0015 - < 0.0025 weight-%

Full text of H- and EUH-phrases: see section 16.

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). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

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In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. Do not use force or solvents to remove product incrustations from affected skin areas.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion:

Rinse mouth. Let 1 glass of water be drunken in little sips (dilution effect). Call a doctor.

Self-protection of the first aider:

Use personal protection equipment.

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

Allergic reactions

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:

Foam Water spray jet Water mist Extinguishing powder Carbon dioxide (CO₂)

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

In case of fire: Gases/vapours, toxic - carbon black, Nitrogen oxides (NO_x)

5.3. Advice for firefighters

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

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety. Do not breathe mist/vapours/spray.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

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For cleaning up:

Collect spillage.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8).

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Wash hands and face before breaks and after work and take a shower if necessary.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

Requirements for storage rooms and vessels:

Keep/Store only in original container.

Storage class (TRGS 510, Germany): 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Conditions to avoid: UV-radiation/sunlight Heat Frost

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
RU	bronopol CAS No.: 52-51-7 EC No.: 200-143-0	③ 3 mg/m ³
CH from 1 Jan 2022	KATHON CG CAS No.: 55965-84-9	① 0.2 mg/m ³ ② 0.4 mg/m ³ ⑤ (eintatembare Fraktion) S SSC; Tox: OAW Haut Auge
MAK (AT) from 25 Sept 2018	KATHON CG CAS No.: 55965-84-9	① 0.05 mg/m ³ ⑤ Sh
PL from 12 Jun 2018	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	① 2.5 mg/m ³ ⑤ (wdychalna frakcja)
PL from 12 Jun 2018	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	① 1.2 mg/m ³ ⑤ (frakcja mogąca wnikać do dróg oddechowych)

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Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
LT	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	① 6 mg/m ³ ⑤ F
NPEL (SK)	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	① 1.5 mg/m ³ ⑤ (alveolárna frakcia)
NPEL (SK)	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	① 4 mg/m ³ ⑤ (vdýchnuteľná frakcia)
DFG (DE)	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	① 1.5 mg/m ³ ⑤ (alveolengängige Fraktion)
MAK (AT) from 11 Sept 2007	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	① 10 ppm ⑤ (eintembare Fraktion)
MAK (AT) from 11 Sept 2007	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	② 20 ppm ⑤ (eintembare Fraktion, max. 2x60 min./Schicht)
MAK (AT) from 11 Sept 2007	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	① 5 ppm ⑤ (alveolengängige Fraktion)
MAK (AT) from 11 Sept 2007	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	② 10 ppm ⑤ (alveolengängige Fraktion, max. 2x60 min./Schicht)
CH from 1 Jan 2022	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	① 3 mg/m ³ ⑤ (alveolengängige Fraktion) B; Tox: Formal; Messmeth: NIOSH
LV	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	① 6 mg/m ³
RU	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	① 6 mg/m ³ ⑤ Φ
DFG (DE) from 2 Jul 2008	aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	① 4 mg/m ³ ⑤ (eintembare Fraktion)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	3.5 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.6 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	10.5 mg/m ³	① DNEL worker ② Acute - inhalation, systemic effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	2.5 mg/m ³	① DNEL worker ② Long-term - inhalation, local effects

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Substance name	DNEL value	① DNEL type ② Exposure route
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.6 mg/m ³	① DNEL Consumer ② Long-term - inhalation, local effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	2.5 mg/cm ²	① DNEL worker ② Acute - inhalation, local effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.6 mg/m ³	① DNEL Consumer ② Acute - inhalation, local effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.6 mg/m ³	① DNEL Consumer ② Acute - inhalation, local effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	2 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.7 mg/kg	① DNEL Consumer ② Long-term - dermal, systemic effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	6 mg/kg	① DNEL worker ② Acute - dermal, systemic effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	2.1 mg/kg	① DNEL Consumer ② Acute - dermal, systemic effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.008 mg/cm ²	① DNEL worker ② Long-term - dermal, local effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.004 mg/cm ²	① DNEL Consumer ② Long-term - dermal, local effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.008 mg/cm ²	① DNEL worker ② Acute - dermal, local effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.004 mg/cm ²	① DNEL Consumer ② Acute - dermal, local effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.18 mg/kg	① DNEL Consumer ② Long-term - oral, systemic effects
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.5 mg/kg	① DNEL worker ② Acute - oral, systemic effects
KATHON CG CAS No.: 55965-84-9	0.02 mg/m ³	① DNEL worker ② Long-term - inhalation, local effects
KATHON CG CAS No.: 55965-84-9	0.02 mg/m ³	① DNEL Consumer ② Long-term - inhalation, local effects
KATHON CG CAS No.: 55965-84-9	0.04 mg/m ³	① DNEL worker ② Acute - inhalation, local effects
KATHON CG CAS No.: 55965-84-9	0.04 mg/m ³	① DNEL Consumer ② Acute - inhalation, local effects
KATHON CG CAS No.: 55965-84-9	0.09 mg/kg	① DNEL Consumer ② Long-term - oral, systemic effects
KATHON CG CAS No.: 55965-84-9	0.11 mg/kg	① DNEL Consumer ② Acute - oral, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	10.76 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	10.76 mg/m ³	① DNEL worker ② Long-term - inhalation, local effects
aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	4.74 mg/kg	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.01 mg/L	① PNEC aquatic, freshwater
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.0008 mg/L	① PNEC aquatic, marine water
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.43 mg/L	① PNEC sewage treatment plant
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.041 mg/kg	① PNEC sediment, freshwater
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.00328 mg/kg	① PNEC sediment, marine water
bronopol CAS No.: 52-51-7 EC No.: 200-143-0	0.5 mg/kg	① PNEC soil
KATHON CG CAS No.: 55965-84-9	0.00339 mg/L	① PNEC aquatic, freshwater
KATHON CG CAS No.: 55965-84-9	0.00339 mg/L	① PNEC aquatic, marine water
KATHON CG CAS No.: 55965-84-9	0.23 mg/L	① PNEC sewage treatment plant
KATHON CG CAS No.: 55965-84-9	0.027 mg/kg	① PNEC sediment, freshwater
KATHON CG CAS No.: 55965-84-9	0.027 mg/kg	① PNEC sediment, marine water
KATHON CG CAS No.: 55965-84-9	0.01 mg/kg	① PNEC soil
aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7	20 mg/L	① PNEC sewage treatment plant

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Breakthrough times and swelling properties of the material must be taken into consideration. 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.

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Respiratory protection:

Respiratory protection necessary at: insufficient ventilation

Other protection measures:

Do not breathe mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: beige

Odour: not determined

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	7.3 - 7.7	20 °C	
Melting point	not determined		
Freezing point	not determined		
Initial boiling point and boiling range	not determined		
Decomposition temperature	not determined		
Flash point	not determined		
Evaporation rate	not determined		
Auto-ignition temperature	not determined		
Upper/lower flammability or explosive limits	not determined		
Vapour pressure	not determined		
Vapour density	not determined		
Density	1.12 - 1.16 g/cm ³	20 °C	
Relative density	not determined		
Bulk density	not determined		
Water solubility	completely miscible		
Partition coefficient: n-octanol/water	not determined		
Dynamic viscosity	1,500 - 2,500 mPa·s	20 °C	
Kinematic viscosity	not determined		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

extreme temperatures: <5°C, >40°C

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10.5. Incompatible materials

Materials to avoid: Oxidising agent, strong, Reducing agent, strong, Strong acid, Strong alkali

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

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

bronopol CAS No.: 52-51-7 EC No.: 200-143-0
LD₅₀ oral: 193 mg/kg (Rat)
LD₅₀ dermal: >2,000 mg/kg (Rat)
LC₅₀ Acute inhalation toxicity (dust/mist): >0.588 mg/L 4 h (Rat)
KATHON CG CAS No.: 55965-84-9
LD₅₀ oral: 64 mg/kg (Rat)
LD₅₀ dermal: 87.12 mg/kg (Rabbit)
LC₅₀ Acute inhalation toxicity (dust/mist): 0.33 mg/L 4 h (Rat)

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

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

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

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:

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

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.

Additional information:

No data available

11.2. Information on other hazards

No data available

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SECTION 12: Ecological information

12.1. Toxicity

KATHON CG CAS No.: 55965-84-9

LC₅₀: 0.19 mg/L 4 d (fish, *Oncorhynchus mykiss* (Rainbow trout)) OECD 203

LC₅₀: 0.16 mg/L 2 d (crustaceans, *Daphnia magna* (Big water flea)) OECD 202

NOEC: 0.00049 mg/L 2 d (Algae/water plant, *Skeletonema costatum*) OECD 201

NOEC: 0.05 mg/L (fish, *Oncorhynchus mykiss* (Rainbow trout)) 14 days

NOEC: 0.1 mg/L 21 d (crustaceans, *Daphnia magna* (Big water flea))

ErC₅₀: 0.0052 mg/L 2 d (Algae/water plant, *Skeletonema costatum*) OECD 201

12.2. Persistence and degradability

KATHON CG CAS No.: 55965-84-9

Biodegradation: Poorly biodegradable.

Remark: 2-Methyl-4-isothiazolin-3-on (MIT): 5-Chlor-2-methyl-4-isothiazolin-3-on (CMIT): Verteilungskoeffizient: n-Octanol/Wasser(log Pow): -0,486 Gemessen Verteilungskoeffizient: n-Octanol/Wasser(log Pow): 0,401 Gemessen

Biodegradation:

Not readily biodegradable (according to OECD criteria)

12.3. Bioaccumulative potential

KATHON CG CAS No.: 55965-84-9

Log K_{ow}: < 3

Bioconcentration factor (BCF): < 100

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

bronopol CAS No.: 52-51-7 EC No.: 200-143-0

Results of PBT and vPvB assessment: —

KATHON CG CAS No.: 55965-84-9

Results of PBT and vPvB assessment: —

aluminium hydroxide CAS No.: 21645-51-2 EC No.: 244-492-7

Results of PBT and vPvB assessment: —

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.

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SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 [DE] National regulations

Water hazard class

WGK:

3 - stark wassergefährdend

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EN	European Standard
ICAO	International Civil Aviation Organization

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IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
LC ₅₀	Lethal (fatal) Concentration 50%
LD ₅₀	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (Skin Sens. 1A)	H317: May cause an allergic skin reaction.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Supplemental hazard information	
EUH071	Corrosive to the respiratory tract.

16.6. Training advice

No data available

16.7. Additional information

No data available