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

* **1.1. Product identifier**

Trade name/designation:

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UFI:

C4TK-QV5T-T202-7NX7

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

Use of the substance/mixture:

Disinfectant

1.3. Details of the supplier of the safety data sheet

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

Sanosil
Eichtalstrasse 49
8634 Hombrechtikon
Switzerland
Telephone: +41 55 254 00 54
Telefax: +41 55 254 00 59
E-mail: kundeninfo@sanosil.ch
Website: www.sanosil.ch

1.4. Emergency telephone number

United States of America: Poison control center - national hotline number 1-800-222-1222
Great Britain: National phone number 111
Belgium: Centre antipoisons +32 070 245 245 / Bulgaria: +359 2 9154 233 / Croatia: +3851 2348 342 / Cyprus: +357 1401 / Czech Republic: +420 224 919 293, +420 224 915 402 / Denmark: +45 82 12 12 12 / Estonia: +372 16662, +372 7943 794 / Finland: +358 09 471 77 / France: numéro ORFILA (INRS) : +33 (0)1 45 42 59 59 / Greece: +30 21077 93777 / Hungary: +36 80 201 199 (24 hours) / Ireland: +353 (1) 809 2166 / Italy: +39 06 4997800 / Lithuania: +370 (85) 2362052 / Luxembourg: +352 8002 5500 / The Nederlands: +31 (0) 30 274 8888 / Norway: +47 22 59 13 00 / Portugal: +351 800 250 250 / Romania: +402 213 183 606 / Slovakia: +421 2 5477 4166 / Spain: National Emergency Telephone Number: +34 91 562 04 20 / Sweden: +46 112 (emergency 24 hours), +46 08-331231 (mon-fri 9.00-17.00).
European Union: Call 112 if no specific phone number available.

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
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

2.2. Label elements

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

Hazard statements for environmental hazards	
H412	Harmful to aquatic life with long lasting effects.

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Supplemental hazard information: none

Precautionary statements Prevention	
P273	Avoid release to the environment.

Precautionary statements Disposal	
P501	Dispose of contents/container to an installation for the treatment of hazardous waste.

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.: 7722-84-1 EC No.: 231-765-0 Index No.: 008-003-00-9 REACH No.: 01-2119485845-22-XXXX	**hydrogen peroxide** Acute Tox. 4 (H332, H302), Ox. Liq. 1 (H271), Skin Corr. 1A (H314) Danger **Specific concentration limit (SCL)** Ox. Liq. 1, Skin Corr. 1A; H271-H314: C ≥ 70% Ox. Liq. 2, Skin Corr. 1B; H272-H314: 50% ≤ C < 70% Skin Irrit. 2; H315: 35% ≤ C < 50% Eye Dam. 1; H318: C ≥ 8% Eye Irrit. 2; H319: 5% ≤ C < 8% STOT SE 3; H335: C ≥ 35%	0 – < 1.5 weight-%
CAS No.: 7664-38-2 EC No.: 231-633-2 Index No.: 015-011-00-6 REACH No.: 01-2119485924-24-XXXX	**orthophosphoric acid** Skin Corr. 1B (H314) Danger **Specific concentration limit (SCL)** Skin Corr. 1B; H314: C ≥ 25% Skin Irrit. 2; H315: 10% ≤ C < 25% Eye Dam. 1; H318: C ≥ 25% Eye Irrit. 2; H319: 10% ≤ C < 25%	0 – < 0.1 weight-%
CAS No.: 7440-22-4 EC No.: 231-131-3 REACH No.: 01-2119555669-21-0036	**silver** Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410) Warning M-factor (acute): 1,000 M-factor (chronic): 100	0 – < 0.03 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 skin contact:
After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.

After eye contact:
Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing.

Following ingestion:
Rinse mouth. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. Get medical advice/attention if you feel unwell.

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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
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
The product itself does not burn. Water, Dry extinguishing powder, Carbon dioxide, alcohol resistant foam.

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

5.3. Advice for firefighters
Special protective equipment 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.
Keep closed containers cool by spraying water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Personal precautions:
Avoid contact with skin, eyes and clothes.
Provide adequate ventilation.
Remove persons to safety.
Use personal protection equipment.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection. See section 8.

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. Prevent spread over a wide area (e.g. by containment or oil barriers).

*
6.3. Methods and material for containment and cleaning up
For containment:
Provide for retaining containers, e.g. floor pan without outflow. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Dispose of the residus of the product as hazardous waste (see section 13).

6.4. Reference to other sections
Safe handling: see section 7 Personal protection equipment: see section 8

6.5. Additional information
Losses during use of the product must be collected and disposed of in special containers as special waste.

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SECTION 7: Handling and storage

* **7.1. Precautions for safe handling**

Protective measures

Advices on safe handling:

The simultaneous handling of incompatible substances and mixtures must be prevented. Wear personal protection equipment (refer to section 8).
Use: Surface desinfection with wipes.
Do not use for injecting or spraying.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

* **7.2. Conditions for safe storage, including any incompatibilities**

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container.

Requirements for storage rooms and vessels:

Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

Hints on storage assembly:

Do not store together with strong acids.

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

7.3. Specific end use(s)

Recommendation:

The product must whether be sprayed nor misted for disinfection.
Food must not be brought into direct contact with disinfectants or their application solutions. Residues on treated work surfaces, equipment and apparatus should be kept as low as possible by rinsing with drinking water.
The use of chemical disinfectants on surfaces and equipment as well as in vessels must be restricted to non-absorbent materials (metals, glass, ceramics, possibly to non-softened plastics).
After the prescribed exposure time, the disinfected surfaces and equipment as well as the vessels must be rinsed several times with fresh water of drinking water quality.

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
Alberta (CA)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m³) ⑤ 3
ES	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m³)
BC (CA)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm
VLA (FR)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.5 mg/m³)
WEL (GB)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m³) ② 2 ppm (2.8 mg/m³)

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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
IDLH (US) from 1 Jan 1994	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 75 ppm
OSHA (US)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m³)
NIOSH (US)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m³)
ACGIH (US)	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m³)
Québec (CA) from 1 Apr 2022	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm
ES	**orthophosphoric acid** CAS No.: 7664-38-2 EC No.: 231-633-2	① 1 mg/m³ ② 2 mg/m³ ⑤ VLI, s
Alberta (CA)	**orthophosphoric acid** CAS No.: 7664-38-2 EC No.: 231-633-2	① 1 mg/m³ ② 3 mg/m³ ⑤ 3
BC (CA)	**orthophosphoric acid** CAS No.: 7664-38-2 EC No.: 231-633-2	① 1 mg/m³ ② 3 mg/m³
IOELV (EU)	**orthophosphoric acid** CAS No.: 7664-38-2 EC No.: 231-633-2	① 1 mg/m³ ② 2 mg/m³
VRI (FR) from 3 May 2021	**orthophosphoric acid** CAS No.: 7664-38-2 EC No.: 231-633-2	① 0.2 ppm (1 mg/m³) ② 0.5 ppm (2 mg/m³)
WEL (GB)	**orthophosphoric acid** CAS No.: 7664-38-2 EC No.: 231-633-2	① 1 mg/m³ ② 2 mg/m³
Québec (CA)	**orthophosphoric acid** CAS No.: 7664-38-2 EC No.: 231-633-2	① 1 mg/m³ ② 3 mg/m³
OSHA (US)	**orthophosphoric acid** CAS No.: 7664-38-2 EC No.: 231-633-2	① 1 mg/m³
NIOSH (US)	**orthophosphoric acid** CAS No.: 7664-38-2 EC No.: 231-633-2	① 1 mg/m³ ② 3 mg/m³
ACGIH (US)	**orthophosphoric acid** CAS No.: 7664-38-2 EC No.: 231-633-2	① 1 mg/m³ ② 3 mg/m³
IOELV (EU)	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.01 mg/m³ ⑤ (silver compounds, soluble, calculated as Ag)
VRI (FR) from 3 May 2021	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.01 mg/m³ ⑤ Argent composés, soluble, calculé comme Ag

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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
WEL (GB)	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.01 mg/m³ ⑤ (compounds, soluble; calculated as Ag)
NIOSH (US)	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.01 mg/m³ ⑤ compounds, soluble; calculated as Ag
IOELV (EU)	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.1 mg/m³ ⑤ (metal)
WEL (GB)	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.1 mg/m³ ⑤ (metal)
VRI (FR) from 3 May 2021	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.1 mg/m³ ⑤ (métal)
ACGIH (US)	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.01 mg/m³ ⑤ compounds, soluble
OSHA (US)	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.01 mg/m³
Alberta (CA)	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.1 mg/m³ ⑤ (metal)
Alberta (CA)	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.01 mg/m³ ⑤ compounds, soluble
BC (CA) from 16 Jun 2016	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.01 mg/m³ ② 0.03 mg/m³
Québec (CA)	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.01 mg/m³ ⑤ compounds, soluble; calculated as Ag
ES from 1 May 2021	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.01 mg/m³ ⑤ (composiciones de plata, soluble, calculado como Ag) c, VLI
ES from 8 Jun 2023	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.1 mg/m³ ⑤ (metal) VLI
IDLH (US) from 1 Jan 1994	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 10 Ag/m3
IDLH (US) from 1 Jan 1994	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 10 Ag/m3 ⑤ (compounds, soluble)
Québec (CA)	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.1 mg/m³ ⑤ (metal)
NIOSH (US)	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.01 mg/m³
ACGIH (US)	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.1 mg/m³

8.1.2. Biological limit values
No data available

8.1.3. DNEL-/PNEC-values
No data available

*
8.2. Exposure controls

8.2.1. Appropriate engineering controls
Provide adequate ventilation as well as local exhaustion at critical locations.

8.2.2. Personal protection equipment

Eye/face protection:
Eye glasses with side protection EN 166

Skin protection:
Use protective gloves in accordance to EN 374. The following material is suitable: NBR. Minimal thickness 0.4 mm. Normal duration of use: min. 6 hours

Respiratory protection:
In case of an application by wiping >30 min or targeted vaporization, a respirator with gas filter (against CAS 7722-84-1) must be used. Filter type: ABEK-P3

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: colourless
Odour: odourless

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	2 – 3	20 °C	
Melting point	-1 °C		
Freezing point	*No data available*		
Initial boiling point and boiling range	100 °C		
Flash point	*not applicable*		
Evaporation rate	*No data available*		
Auto-ignition temperature	*not applicable*		
Upper/lower flammability or explosive limits	*not applicable*		
Vapour pressure	*No data available*		
Vapour density	*No data available*		
Density	1 g/cm³	20 °C	
Bulk density	*not applicable*		
Water solubility	completely miscible	20 °C	
Dynamic viscosity	*No data available*		
Kinematic viscosity	*No data available*		

9.2. 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.

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

10.3. Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid
Strong acid, Strong alkali, Oxidizing agent

* **10.5. Incompatible materials**
Not known.

10.6. Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: Toxicological information

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

orthophosphoric acid CAS No.: 7664-38-2 EC No.: 231-633-2	
LD_{50} oral: 1,530 mg/kg (Rat)	
LD_{50} dermal: 2,740 mg/kg (Rabbit)	
hydrogen peroxide CAS No.: 7722-84-1 EC No.: 231-765-0	
LD_{50} oral: 1,026 mg/kg (Rat)	
LD_{50} dermal: 2,000 mg/kg (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:
Based on available data, the classification criteria are not met.

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

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* **11.2. Information on other hazards**

Endocrine disrupting properties:
The mixture does not contain substances >=0.1% of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

silver CAS No.: 7440-22-4 EC No.: 231-131-3
LC_{50}: 0.015 mg/L 2 d (shellfish)
LC_{50}: 0.00012 mg/L 4 d (fish)
LC_{50}: 0.00807 mg/L 4 d (fish)
EC_{50}: 0.0092 mg/L 2 d (shellfish)
EC_{50}: 0.00198 mg/L 3 d (Alga)
EC_{50}: 0.00022 mg/L 2 d (Daphnia magna (Big water flea))
hydrogen peroxide CAS No.: 7722-84-1 EC No.: 231-765-0
LC_{50}: 16.4 mg/L (Fish)
LC_{50}: 2.4 mg/L (Daphnia pulex (water flea))
EC_{50}: 1.38 mg/L (Alga)

Aquatic toxicity:
Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

orthophosphoric acid CAS No.: 7664-38-2 EC No.: 231-633-2
Biodegradation: not applicable
silver CAS No.: 7440-22-4 EC No.: 231-131-3
Biodegradation: not applicable
hydrogen peroxide CAS No.: 7722-84-1 EC No.: 231-765-0
Biodegradation: Yes, rapidly

12.3. Bioaccumulative potential

hydrogen peroxide CAS No.: 7722-84-1 EC No.: 231-765-0
Log K_{OW}: -1.5

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

orthophosphoric acid CAS No.: 7664-38-2 EC No.: 231-633-2
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
silver CAS No.: 7440-22-4 EC No.: 231-131-3
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
hydrogen peroxide CAS No.: 7722-84-1 EC No.: 231-765-0
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

* **12.6. Endocrine disrupting properties**
The mixture does not contain substances >=0.1% of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

12.7. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product may not be eliminated as municipal solid waste nor allowed to end up in the drainage system. These packs can be delivered packaging-specific to the existing collection points for hazardous waste.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

16 05 07 *	discarded inorganic chemicals consisting of or containing hazardous substances

**: Evidence for disposal must be provided.*

Remark:

Wastecode according to regulation EU 2014/955

Waste code packaging

15 01 02	Plastic packaging

Waste treatment options

Appropriate disposal / Product:

Residues of the product have to be collected as hazardous waste.

Appropriate disposal / Package:

Empty packaging can be recycled or eliminated as municipal solid waste.

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

Authorisations:

Regulation (EU) No. 528/2012 on biocides

15.1.2. National regulations

No data available

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* **15.2. Chemical Safety Assessment**

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1. Indication of changes

1.1.	Product identifier
3.1.	Substances
4.1.	Description of first aid measures
5.2.	Special hazards arising from the substance or mixture
6.3.	Methods and material for containment and cleaning up
7.1.	Precautions for safe handling
7.2.	Conditions for safe storage, including any incompatibilities
8.2.	Exposure controls
9.1.	Information on basic physical and chemical properties
10.1.	Reactivity
10.5.	Incompatible materials
11.2.	Information on other hazards
12.6.	Endocrine disrupting properties
15.2.	Chemical Safety Assessment

16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
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
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
ECHA	European Chemicals Agency
EN	European Standard
ES	Exposure scenario
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
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
OSHA	Occupational Safety & Health Administration
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

Security safety data sheet of the ingredients. Inventory of substances of the European Chemical Agency (ECHA). GESTIS database

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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
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

16.6. Training advice

Persons charged with the handling and cleaning of the product must be trained prior to start their work and in regular intervals. They must be informed about the risks using the product and the mesures to take for efficient prevention. This concerns particularly working security, first aid, health and environment protection.

16.7. Additional information

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 madeup material.

* Data changed compared with the previous version.