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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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1.2. Relevant identified uses of the substance or mixture and uses advised against
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 (monfri 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
Acute toxicity (oral) *(Acute Tox. 4)*	H302: Harmful if swallowed.	Calculation method.
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	Calculation method.
Serious eye damage/eye irritation *(Eye Dam. 1)*	H318: Causes serious eye damage.	Calculation method.
Acute toxicity (inhalative) *(Acute Tox. 4)*	H332: Harmful if inhaled.	Calculation method.
STOT-single exposure *(STOT SE 3)*	H335: May cause respiratory irritation.	Calculation method.
Hazardous to the aquatic environment *(Aquatic Acute 1)*	H400: Very toxic to aquatic life.	Calculation method.
Hazardous to the aquatic environment *(Aquatic Chronic 2)*	H411: Toxic to aquatic life with long lasting effects.	Calculation method.

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*

2.2. Label elements

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

Hazard pictograms:

GHS05
Corrosion

GHS07
Exclamation mark

GHS09
Environment

Signal word: Danger

Hazard statements for health hazards	
H302 + H332	Harmful if swallowed or if inhaled.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

Hazard statements for environmental hazards	
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Supplemental hazard information: none

Precautionary statements Prevention	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing and eye/face protection.

Precautionary statements Response	
P301 + P312	IF SWALLOWED: Call a POISON CENTER/doctor/etc./ if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of water/Soap.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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%	< 50 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	≤ 0.05 weight-%

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
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%	≤ 0.02 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. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

Following inhalation:
In case of respiratory tract irritation, consult a physician. Provide fresh air. Get medical advice/attention. Get medical advice/attention if you feel unwell.

In case of skin contact:
If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing. Do not use solvents. After contact with skin, wash immediately with plenty of water and soap.

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. Never give anything by mouth to an unconscious person or a person with cramps. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:
Use personal protection equipment. No direct artificial respiration to be given by first aider.

4.2. Most important symptoms and effects, both acute and delayed
Causes severe skin burns and eye damage. Skin corrosion/irritation. Serious eye damage/eye irritation Irritation to respiratory tract.

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:
Water, Dry extinguishing powder,alcohol resistant foam, Carbon dioxide

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture
Hazardous combustion products:
May intensify fire; oxidiser.

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.

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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:
See section 8. 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 Disposal: see section 13

6.5. Additional information

Losses during use of the product must be collected and disposed of in special containers as special waste. Use appropriate container to avoid environmental contamination.

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).

Advices on general occupational hygiene

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

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.
Do not use metal drip pans.

Hints on storage assembly:
Keep away from oxidising agents.
Do not store together with strong acids.
Do not store with flammable materials.

Storage class (TRGS 510, Germany): 5.1A – Highly oxidising substances

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
ES	**hydrogen peroxide** CAS No.: 7722-84-1 EC No.: 231-765-0	① 1 ppm (1.4 mg/m³)
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)
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)
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
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

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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
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 1 May 2021	**silver** CAS No.: 7440-22-4 EC No.: 231-131-3	① 0.1 mg/m³ ⑤ (metal)
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)
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
ES	**orthophosphoric acid** CAS No.: 7664-38-2 EC No.: 231-633-2	① 1 mg/m³ ② 2 mg/m³ ⑤ VLI, s
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
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

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


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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 Breakthrough time: <6h. Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:
In case of inadequate ventilation wear respiratory protection. Full-/half-/quarter-face masks (EN 136/140): Filter type: B or 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: not determined
Odour: not determined

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	*not determined*		
Melting point	-52 °C		
Freezing point	*not determined*		
Initial boiling point and boiling range	114 °C		
Decomposition temperature	*not determined*		
Flash point	*not applicable*		
Evaporation rate	*not determined*		
Auto-ignition temperature	*not applicable*		
Upper/lower flammability or explosive limits	*not applicable*		
Vapour pressure	13 hPa	20 °C	
Vapour density	*not determined*		
Density	1.2 g/cm³	20 °C	
Relative density	*not determined*		
Bulk density	*not applicable*		
Water solubility	*not determined*		
Partition coefficient: n-octanol/water	*not determined*		
Dynamic viscosity	*not determined*		
Kinematic viscosity	*not determined*		

9.2. Other information
No data available

SECTION 10: Stability and reactivity

*
10.1. Reactivity
No known hazardous reactions.

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

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
Heat

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10.5. Incompatible materials
combustible substances
strong acids and alkalis
Oxidising agent, strong
Alkaline earth metal
Solvent
metals
Cotton

10.6. Hazardous decomposition products
Oxygen

SECTION 11: Toxicological information

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

hydrogen peroxide CAS No.: 7722-84-1 EC No.: 231-765-0	
LD_{50} oral: 376 mg/kg (Rat)	
LD_{50} dermal: 3,000 mg/kg (Rat)	
LC_{50} Acute inhalation toxicity (vapour): 2 mg/L 4 h (Rat)	
orthophosphoric acid CAS No.: 7664-38-2 EC No.: 231-633-2	
LD_{50} oral: >300 – <2,000 mg/kg (Rat)	

Acute oral toxicity:
Harmful if swallowed.
Acute dermal toxicity:
Based on available data, the classification criteria are not met.
Acute inhalation toxicity:
Harmful if inhaled.
Skin corrosion/irritation:
Causes severe burns. Causes skin irritation.
Serious eye damage/irritation:
Causes serious eye damage. Causes serious eye damage.
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:
May cause respiratory irritation.
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
Endocrine disrupting properties:
This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

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SECTION 12: Ecological information

12.1. Toxicity

hydrogen peroxide CAS No.: 7722-84-1 EC No.: 231-765-0	
LC_{50}: 16.4 mg/L (Fish)	
LC_{50}: 2 mg/L (Daphnia pulex)	
EC_{50}: 1.38 mg/L (Alga)	
silver CAS No.: 7440-22-4 EC No.: 231-131-3	
LC_{50}: 0.015 mg/L 2 d (shellfish)	
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)	

Aquatic toxicity:
Toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

12.2. Persistence and degradability

hydrogen peroxide CAS No.: 7722-84-1 EC No.: 231-765-0
Biodegradation: Yes, rapidly
silver CAS No.: 7440-22-4 EC No.: 231-131-3
Biodegradation: Yes, slowly
orthophosphoric acid CAS No.: 7664-38-2 EC No.: 231-633-2
Biodegradation: Yes, rapidly

12.3. Bioaccumulative potential
No data available

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

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.
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.
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.

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

12.7. Other adverse effects
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 03 03 *	inorganic wastes containing hazardous substances

**: Evidence for disposal must be provided.*

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Remark:
Wastecode according to regulation EU 2014/955:

Waste code packaging

15 01 10 *	packaging containing residues of or contaminated by dangerous substances

**: Evidence for disposal must be provided.*

Remark:
Wastecode according to regulation EU 2014/955:

Waste treatment options

Appropriate disposal / Product:
Dispose of used product in its original packaging as special waste. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:
Residues of the product and packaging have to be collected as hazardous 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			
UN 2014	UN 2014	UN 2014	UN 2014
14.2. UN proper shipping name			
Hydrogen peroxide, aqueous solution	Hydrogen peroxide, aqueous solution	Hydrogen peroxide, aqueous solution	Hydrogen peroxide, aqueous solution
14.3. Transport hazard class(es)			
 5.1 8	 5.1 8	 5.1 8	 5.1 8
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
		 MARINE POLLUTANT	
14.6. Special precautions for user			
Limited quantity (LQ): 1 L **Excepted Quantities (EQ):** E2 **Hazard identification number (Kemler No.):** 58 **Classification code:** OC1 **Tunnel restriction code:** (E)	**Limited quantity (LQ):** 1 L **Excepted Quantities (EQ):** E2 **Classification code:** OC1	**Limited quantity (LQ):** 1 L **Excepted Quantities (EQ):** E2 **EmS-No.:** F-H, S-Q	**Limited quantity (LQ):** 0.5 L **Excepted Quantities (EQ):** E2

*

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

15.1.2. National regulations

No data available

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

2.1.	Classification of the substance or mixture
2.2.	Label elements
4.1.	Description of first aid measures
9.1.	Information on basic physical and chemical properties
10.1.	Reactivity
11.2.	Information on other hazards
12.6.	Endocrine disrupting properties
14.5.	Environmental hazards
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture

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
CAS Chemical Abstract Service
CLP Classification, labelling and Packaging
EC_{50} Effective Concentration 50%
EN European norm
IATA International Air Transport Association
IMDG-Code International Maritime Dangerous Goods Code
LC_{50} Lethal Concentration 50%
LD_{50} Lethal Dose 50%
OECD Organization for Economic Cooperation and Development
PBT persistent, bioaccumulative, toxic
PNEC Predicted No Effect Concentration
REACH Registration, Evaluation and Authorization of Chemicals
RID Regulations concerning the international carriage of dangerous goods by rail
SVHC Substance of Very High Concern
UN United Nations
VOC Volatile organic compounds
vPvB very persistent, very bioaccumulative

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
Acute toxicity (oral) *(Acute Tox. 4)*	H302: Harmful if swallowed.	Calculation method.
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	Calculation method.
Serious eye damage/eye irritation *(Eye Dam. 1)*	H318: Causes serious eye damage.	Calculation method.
Acute toxicity (inhalative) *(Acute Tox. 4)*	H332: Harmful if inhaled.	Calculation method.
STOT-single exposure *(STOT SE 3)*	H335: May cause respiratory irritation.	Calculation method.
Hazardous to the aquatic environment *(Aquatic Acute 1)*	H400: Very toxic to aquatic life.	Calculation method.
Hazardous to the aquatic environment *(Aquatic Chronic 2)*	H411: Toxic to aquatic life with long lasting effects.	Calculation method.

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

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.