

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

1.1. Product identifier

Trade name	: Hydrogen peroxide 35%
Chemical name	: hydrogen peroxide solution... %
EC Index-No.	: 008-003-00-9
EC-No.	: 231-765-0
CAS-No.	: 7722-84-1
REACH registration No	: 01-2119485845-22
Product code	: 93340
Formula	: H ₂ O ₂
Synonyms	: Hydrogen peroxide, aqueous solution

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

1.2.1. Relevant identified uses

Industrial/Professional use spec	: Industrial For professional use only
Use of the substance/mixture	: Bleach, detergent, pulp and paper industry, wetting industry, chemical industry, textile industry, environmental protection.

Title	Use descriptors
Production and industrial use	SU3, SU4, SU8, SU9, SU10, SU11, SU12, SU14, SU15, SU16, SU17, PC0, PC1, PC2, PC8, PC9a, PC12, PC14, PC15, PC20, PC21, PC23, PC25, PC26, PC27, PC28, PC29, PC31, PC32, PC33, PC34, PC35, PC37, PC39, PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC10, PROC12, PROC13, PROC14, PROC15, PROC21, ERC1, ERC2, ERC4, ERC6a, ERC6b, ERC6c, ERC6d
Loading and unloading operations	SU3, SU4, SU5, SU6a, SU6b, SU8, SU9, SU10, SU11, SU12, SU14, SU15, SU16, SU17, PC1, PC8, PC12, PC14, PC15, PC21, PC25, PC27, PC29, PC31, PC32, PC34, PC35, PC37, PC39, PROC8a, PROC8b, PROC9, ERC1, ERC2, ERC4, ERC6a, ERC6b, ERC6c
Bleach, Industrial Use	SU3, SU5, SU6a, SU6b, PC23, PC24, PC26, PC34, PROC1, PROC2, PROC3, PROC4, PROC13, PROC19, ERC4, ERC6b
Bleach, Occupational Use	SU5, SU6a, SU6b, SU22, PC23, PC24, PC26, PC34, ERC8a, ERC8b, ERC8e
Bleach, Consumers use	SU5, SU6a, SU6b, SU21, PC23, PC24, PC26, PC34, ERC8a, ERC8b, ERC8e
Use in the environment and agriculture, Industrial use	SU1, SU2a, SU3, SU8, PC0, PC20, PC37, PROC1, PROC2, PROC3, PROC4, ERC4, ERC6b
Use in the environment and agriculture, Occupational use	SU1, SU8, SU22, PC0, PC20, PC37, PROC1, PROC2, PROC3, PROC4, ERC8a, ERC8b, ERC8d, ERC8e
Use in the environment and agriculture, Consumer use	SU1, SU21, PC0, PC20, PC37, ERC8a, ERC8b, ERC8d, ERC8e
Use of hydrogen peroxide in detergents, occupational use	SU4, SU20, SU22, PC21, PC35, PROC4, PROC10, PROC11, PROC13, PROC19, ERC8a, ERC8b, ERC8d, ERC8e
Use of hydrogen peroxide in detergents, Consumer use	SU4, SU20, SU21, PC21, PC35, ERC8a, ERC8b, ERC8d, ERC8e
Bleaching / dyeing of hair and teeth whitening, Occupational use	SU22, PC39, PROC19, ERC8b
Bleaching / dyeing hair and teeth whitening, consumer use	SU21, PC39, ERC8b

Full text of use descriptors: see section 16

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Breustedt Chemie B.V.
 IJsseldijk 28
 7325 WZ Apeldoorn - Nederland
 T 055-5332844
productinfo@breustedt.nl - www.breustedt.nl

1.4. Emergency telephone number

Emergency number : +31(0)30-2748888 Nationaal Vergiftigingen Informatie Centrum (NVIC)
 (uitsluitend bestemd om artsen te informeren bij accidentele vergiftigingen)

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4	H302
Acute toxicity (inhal.), Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335
Full text of H statements : see section 16	
Specific concentration limits:	
(5 =<C < 8)	Eye Irrit. 2, H319
(8 =<C < 50)	Eye Dam. 1, H318
(35 =<C < 100)	STOT SE 3, H335
(35 =<C < 50)	Skin Irrit. 2, H315
(50 =<C < 70)	Skin Corr. 1B, H314
(50 =<C < 70)	Ox. Liq. 2, H272
(70 =<C < 100)	Skin Corr. 1A, H314
(70 =<C < 100)	Ox. Liq. 1, H271

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

GHS07

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H302+H332 - Harmful if swallowed or if inhaled.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.

Precautionary statements (CLP)

: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 - IF SWALLOWED: Call a poison center or doctor if you feel unwell.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

2.3. Other hazards

Other hazards not contributing to the classification : Risk of decomposition. Explosive when mixed with combustible material.

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

SECTION 3: Composition/information on ingredients

3.1. Substances

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrogen peroxide	(CAS-No.) 7722-84-1 (EC-No.) 231-765-0 (EC Index-No.) 008-003-00-9 (REACH-no) 01-2119485845-22	35	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits
Hydrogen peroxide	(CAS-No.) 7722-84-1 (EC-No.) 231-765-0 (EC Index-No.) 008-003-00-9 (REACH-no) 01-2119485845-22	(5 =<C < 8) Eye Irrit. 2, H319 (8 =<C < 50) Eye Dam. 1, H318 (35 =<C < 100) STOT SE 3, H335 (35 =<C < 50) Skin Irrit. 2, H315 (50 =<C < 70) Skin Corr. 1B, H314 (50 =<C < 70) Ox. Liq. 2, H272 (70 =<C < 100) Skin Corr. 1A, H314 (70 =<C < 100) Ox. Liq. 1, H271

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Take victim to a doctor if irritation persists.
First-aid measures after eye contact	: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.
First-aid measures after ingestion	: If swallowed, rinse mouth. Give nothing or a little water to drink. Do NOT induce vomiting. Never allow an unconscious person to drink or eat. Get immediate medical advice/attention.

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

Symptoms/effects after inhalation	: Cough. Shortness of breath.
Symptoms/effects after skin contact	: irritation (itching, redness, blistering). Burns.
Symptoms/effects after eye contact	: redness, itching, tears. Redness, pain. May cause severe irritation. Corrosion of the eye tissue.
Symptoms/effects after ingestion	: nausea, vomiting. Burns to the gastric/intestinal mucosa.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry powder. Water spray. Sand. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Heating may cause an explosion.
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5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. DO NOT fight fire when fire reaches explosives. Evacuate area.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Provide adequate ventilation. Remove ignition sources.
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6.1.1. For non-emergency personnel

Protective equipment	: 8.2. Exposure controls/personal protection.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent liquid from entering sewers, watercourses, underground or low areas.

6.3. Methods and material for containment and cleaning up

For containment	: Absorb spilled material with sand or earth.
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Methods for cleaning up : Wash away neutralized product with plentiful water.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Precautions for safe handling : Do not breathe vapours. Ensure good ventilation of the work station. Restricted to professional users. Comply with the legal requirements. Provide adequate ventilation to minimize dust and/or vapour concentrations.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry place. Keep cool. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep only in the original container in a cool, well ventilated place away from :
Incompatible products : Strong bases. reducing materials. organic materials. Metals. Metal salts. Rust. Dirt.
Heat and ignition sources : Keep away from : Heat sources.
Storage area : Store away from heat. Store in a well-ventilated place.
Packaging materials : Keep only in the original container in a cool,well-ventilated place away from combustible materials.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrogen peroxide 35% (7722-84-1)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	3 mg/m ³
Long-term - local effects, inhalation	1.4 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.0126 mg/l
PNEC aqua (marine water)	0.0126 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.047 mg/kg dwt
PNEC sediment (marine water)	0.047 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.0023 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	4.66 mg/l

8.2. Exposure controls

Appropriate engineering controls:

Safety shower. Eyewash bottle with clean water.

Personal protective equipment:

Protective clothing. Gas mask. Gloves. Safety glasses. Face shield.

Materials for protective clothing:					
Protective clothing					
Hand protection:					
protective gloves					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Butyl rubber	6 (> 480 minutes)	0.7mm		
Disposable gloves	Natural rubber	6 (> 480 minutes)	1mm		
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.33mm		

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Eye protection:			
Chemical goggles or face shield. Face shield			
Type	Use	Characteristics	Standard
Safety glasses		Protective goggles	
Face shield			
Skin and body protection:			
Long sleeved protective clothing			
Respiratory protection:			
In case of inadequate ventilation wear respiratory protection.			
Device	Filter type	Condition	Standard
Breathing equipment	ABEK-P3		

Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: odourless. Irritating.
Odour threshold	: No data available
pH	: 1.5 - 4
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: -33 °C
Boiling point	: 108 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: > 108 °C
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: 299 Pa 25°C
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈ 1.132 g/cm ³
Solubility	: Water solubility.
Log Pow	: -1.57
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 1.81 mPa.s (0°C) / 1.10 mPa.s (20°C)
Explosive properties	: Heating may cause an explosion.
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Danger of decomposition in contact with incompatible substances. Decomposes into water and oxygen. Promotes the ignition of combustible substances.

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10.2. Chemical stability

Danger of decomposition in contact with incompatible substances. Decomposes into water and oxygen. Promotes the ignition of combustible substances.

10.3. Possibility of hazardous reactions

Danger of decomposition in contact with incompatible substances.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

10.5. Incompatible materials

Metal salts. Strong bases. Organic materials. Metal oxides. Rust. Dirt. Metal ions.

10.6. Hazardous decomposition products

Oxygen. Water. Steam.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Harmful if inhaled.

Hydrogen peroxide 35% (7722-84-1)

LD50 oral rat	1193 - 1270 mg/kg (35%)
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LD50 dermal rabbit	> 2000 mg/kg (35%)
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Skin corrosion/irritation : Causes skin irritation.

pH: 1.5 - 4

Serious eye damage/irritation : Causes serious eye damage.

pH: 1.5 - 4

Respiratory or skin sensitisation : Not classified

Additional information : Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

Potential adverse human health effects and symptoms : Harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Hydrogen peroxide 35% (7722-84-1)

LC50 fish 1	16.4 mg/l
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LC50 fish 2	38.5 mg/l
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EC50 Daphnia 1	2.4 ml/l
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12.2. Persistence and degradability

Hydrogen peroxide 35% (7722-84-1)

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Hydrogen peroxide 35% (7722-84-1)

Log Pow	-1.57
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Hydrogen peroxide 35%

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Hydrogen peroxide 35% (7722-84-1)

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.






Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a certified waste disposal depot.

Additional information : Hazardous waste due to potential risk of explosion.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 2014	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	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
Transport document description				
UN 2014 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II, (E)	UN 2014 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II	UN 2014 Hydrogen peroxide, aqueous solution, 5.1, II	UN 2014 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II	UN 2014 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1 (8), II
14.3. Transport hazard class(es)				
5.1 (8)	5.1 (8)	5.1 (8)	5.1 (8)	5.1 (8)
				
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: OC1
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P504, IBC02
Special packing provisions (ADR)	: PP10, B5
Mixed packing provisions (ADR)	: MP15
Portable tank and bulk container instructions (ADR)	: T7

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Portable tank and bulk container special provisions (ADR) : TP2, TP6, TP24
Tank code (ADR) : L4BV(+)
Tank special provisions (ADR) : TU3, TC2, TE8, TE11, TT1
Vehicle for tank carriage : AT
Transport category (ADR) : 2
Special provisions for carriage - Loading, unloading and handling (ADR) : CV24
Hazard identification number (Kemler No.) : 58
Orange plates :



Tunnel restriction code (ADR) : E
EAC code : 2P

Transport by sea

Limited quantities (IMDG) : 1 L
Excepted quantities (IMDG) : E2
Packing instructions (IMDG) : P504
Special packing provisions (IMDG) : PP10
IBC packing instructions (IMDG) : IBC02
IBC special provisions (IMDG) : B5
Tank instructions (IMDG) : T7
Tank special provisions (IMDG) : TP2, TP6, TP24
EmS-No. (Fire) : F-H
EmS-No. (Spillage) : S-Q
Stowage category (IMDG) : D
Stowage and handling (IMDG) : SW1
Segregation (IMDG) : SG16, SG59, SG72
Properties and observations (IMDG) : Colourless liquid. Slowly decomposes, evolving oxygen; the rate of decomposition increases in contact with metals, except aluminium. In contact with combustible material may cause fire or explosion. Causes burns to skin, eyes and mucous membranes. Even though stabilized, these solutions may evolve oxygen.

Air transport

PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y540
PCA limited quantity max net quantity (IATA) : 0.5L
PCA packing instructions (IATA) : 550
PCA max net quantity (IATA) : 1L
CAO packing instructions (IATA) : 554
CAO max net quantity (IATA) : 5L
ERG code (IATA) : 5C

Inland waterway transport

Classification code (ADN) : OC1
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E2
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EP
Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : OC1
Limited quantities (RID) : 1L
Excepted quantities (RID) : E2
Packing instructions (RID) : P504, IBC02
Special packing provisions (RID) : PP10, B5
Mixed packing provisions (RID) : MP15
Portable tank and bulk container instructions (RID) : T7

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Portable tank and bulk container special provisions (RID)	: TP2, TP6, TP24
Tank codes for RID tanks (RID)	: L4BV(+)
Special provisions for RID tanks (RID)	: TU3, TC2, TE8, TE11, TT1
Transport category (RID)	: 2
Special provisions for carriage - Loading, unloading and handling (RID)	: CW24
Colis express (express parcels) (RID)	: CE6
Hazard identification number (RID)	: 58

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Hydrogen peroxide 35% is not on the REACH Candidate List

Hydrogen peroxide is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Hydrogen peroxide is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to VwVwS, Annex 1 or 2; ID No. 288)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

ABM category : A(4) - low hazard for aquatic organisms, may have longterm hazardous effects in aquatic environment

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

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
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
DPD	Dangerous Preparations Directive 1999/45/EC
DSD	Dangerous Substances Directive 67/548/EEC
EC50	Median effective concentration

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IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	Sewage treatment plant
TLM	Median Tolerance Limit
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Ox. Liq. 1	Oxidising Liquids, Category 1
Ox. Liq. 2	Oxidising Liquids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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.
Full text of use descriptors	
ERC1	Manufacture of substances
ERC2	Formulation of preparations
ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ERC6a	Industrial use resulting in manufacture of another substance (use of intermediates)

Hydrogen peroxide 35%

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

ERC6b	Industrial use of reactive processing aids
ERC6c	Industrial use of monomers for manufacture of thermo-plastics
ERC6d	Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8b	Wide dispersive indoor use of reactive substances in open systems
ERC8d	Wide dispersive outdoor use of processing aids in open systems
ERC8e	Wide dispersive outdoor use of reactive substances in open systems
PC0	Other (use UCN codes: see last row)
PC1	Adhesives, sealants
PC12	Fertilizers
PC14	Metal surface treatment products, including galvanic and electroplating products
PC15	Non-metal-surface treatment products
PC2	Adsorbents
PC20	Products such as ph-regulators, flocculants, precipitants, neutralization agents
PC21	Laboratory chemicals
PC23	Leather tanning, dye, finishing, impregnation and care products
PC24	Lubricants, Greases and Release Products
PC25	Metal working fluids
PC26	Paper and Board dye, finishing and impregnation products: including bleaches and other processing aids
PC27	Plant protection products
PC28	Perfumes, fragrances
PC29	Pharmaceuticals
PC31	Polishes and wax blends
PC32	Polymer preparations and compounds
PC33	Semiconductor
PC34	Textile dyes, finishing and impregnating products; including bleaches and other processing aids
PC35	Washing and cleaning products (including solvent based products)
PC37	Water treatment chemicals
PC39	Cosmetics, personal care products
PC8	Biocidal products (e.g. Disinfectants, pest control)
PC9a	Coatings and paints, thinners, paint removers
PROC1	Use in closed process, no likelihood of exposure
PROC10	Roller application or brushing
PROC11	Non-industrial spraying
PROC12	Use of blowing agents in manufacture of foam
PROC13	Treatment of articles by dipping and pouring
PROC14	Production of preparations or articles by tableting, compression, extrusion, pelletisation
PROC15	Use as laboratory reagent
PROC19	Hand-mixing with intimate contact and only PPE available
PROC2	Use in closed, continuous process with occasional controlled exposure
PROC21	Low energy manipulation of substances bound in materials and/or articles
PROC3	Use in closed batch process (synthesis or formulation)

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PROC4	Use in batch and other process (synthesis) where opportunity for exposure arises
PROC5	Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
PROC7	Industrial spraying
PROC8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities
PROC8b	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
PROC9	Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
SU1	Agriculture, forestry, fishery
SU10	Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
SU11	Manufacture of rubber products
SU12	Manufacture of plastics products, including compounding and conversion
SU14	Manufacture of basic metals, including alloys
SU15	Manufacture of fabricated metal products, except machinery and equipment
SU16	Manufacture of computer, electronic and optical products, electrical equipment
SU17	General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment
SU20	Health services
SU21	Consumer uses: Private households (= general public = consumers)
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU2a	Mining, (including offshore industries)
SU3	Industrial uses: Uses of substances as such or in preparations* at industrial sites
SU4	Manufacture of food products
SU5	Manufacture of textiles, leather, fur
SU6a	Manufacture of wood and wood products
SU6b	Manufacture of pulp, paper and paper products
SU8	Manufacture of bulk, large scale chemicals (including petroleum products)
SU9	Manufacture of fine chemicals

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.