

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

1.1. Product identifier

Product form	: Mixture
Name	: James Stainwonder
UFI	: M44C-PPV8-TE0H-8AAQ
Product code	: 4750.0_76068RT**
Type of product	: Detergent,Treated article (Biocide)
Product group	: Trade product

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

1.2.1. Relevant identified uses

Main use category	: Professional use,Consumer use
Industrial/Professional use spec	: A.I.S.E. Guidance on Detergents Safe Use Mixture Information (SUMI): https://www.aise.eu/our-activities/regulatory-context/reach/safe-use-information-for-end-users.aspx
Use of the substance/mixture	: The data given here is based on the product properties as mentioned in section 1.1. and is provided on the assumption, that the product will be used in the manner and for the purposes for which the manufacturer indicates.
Use of the substance/mixture	: Cleaner
Function or use category	: Cleaning/washing agents and additives

Title	Use descriptors
Transfer of product via a dedicated system (bottle/machine) (Association ref code: AISE_SUMI_PW_8a_2)	SU22, PC35, PROC8b, ERC8a, AISE SPERC 8a.1.a.v2
Professional uses; (Trigger) spraying (Association ref code: AISE_SUMI_PW_11_1)	SU22, PC35, PROC11, ERC8a, AISE SPERC 8a.1.a.v2
Professional uses; Semi-closed system (Association ref code: AISE_SUMI_PW_4_1)	SU22, PC35, PROC2, ERC8a, AISE SPERC 8a.1.a.v2
Professional uses; Brushing after trigger spraying or brushing with tools (Association ref code: AISE_SUMI_PW_10_1)	SU22, PC35, PROC10, ERC8a, AISE SPERC 8a.1.a.v2
Consumer use of washing and cleaning products	SU21, PC35, ERC8a

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

James B.V.
Rudolf Dieselweg 28 a
NL- 5928 RA Venlo
Nederland
T +31 (0) 773278000
info@james.eu

1.4. Emergency telephone number

Emergency number : See Section 1.3; Only during office hours

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Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD 2090	+356 2545 6508	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Precautionary statements (CLP) : P102 - Keep out of reach of children.
EUH-statements : EUH210 - Safety data sheet available on request.

Intended for general public :
Child-resistant fastening : Not applicable
Tactile warning : Not applicable

2.3. Other hazards

Other hazards which do not result in classification : The information in this section applies to the undiluted product.

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Water (INCI: AQUA) substance with national workplace exposure limit(s) (LV)	CAS-No.: 7732-18-5 EC-No.: 231-791-2	≥ 30	Not classified

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Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
hydrogen peroxide solution... % (INCI: HYDROGEN PEROXIDE) substance with national workplace exposure limit(s) (BE, BG, DK, EE, FI, FR, GR, IE, HR, LT, AT, PL, PT, SI, SK, ES, CZ, GB, SE)	CAS-No.: 7722-84-1 EC-No.: 231-765-0 EC Index-No.: 008-003-00-9 REACH-no: 01-2119485845-22	1 – 5	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412

Specific concentration limits:

Name	Product identifier	Specific concentration limits
hydrogen peroxide solution... % (INCI: 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- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Rinse skin with water/shower.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes. Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: May cause slight irritation to the skin. Not expected to present a significant skin hazard.
Symptoms/effects after eye contact	: Slight eye irritant upon direct contact.
Symptoms/effects after ingestion	: May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray.
Unsuitable extinguishing media	: carbon dioxide (CO2), dry chemical powder, foam.

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5.2. Special hazards arising from the substance or mixture

- Fire hazard : May cause fire or explosion; strong oxidiser.
Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

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. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
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 : Concerning personal protective equipment to use, see section 8. Material spilled on hard surface can present a serious slipping/falling hazard.

6.1.1. For non-emergency personnel

- 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

Do not flush into surface water. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Wash contaminated equipment or sites of leaks with copious quantities of water. Wash away remainder with plenty of water.

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Hazardous waste due to potential risk of explosion.
Precautions for safe handling : Normal precautions for the use of chemicals and cleaners should be taken care of. See information supplied by the manufacturer. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container tightly closed. Protect from freezing.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources. combustible materials.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Water (INCI: AQUA) (7732-18-5)	
Latvia - Occupational Exposure Limits	
Local name	pēc Cr(hroma-amonija alauns)
OEL TWA	0,02 mg/m ³
hydrogen peroxide solution... % (INCI: HYDROGEN PEROXIDE) (7722-84-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Hydrogen peroxide
Remark	(Ongoing)
Regulatory reference	SCOEL Recommendations
Austria - Occupational Exposure Limits	
Local name	Wasserstoffperoxid
MAK (OEL TWA)	1,4 mg/m ³
MAK (OEL TWA) [ppm]	1 ppm
MAK (OEL STEL)	2,8 mg/m ³
MAK (OEL STEL) [ppm]	2 ppm
Regulatory reference	BGBl. II Nr. 186/2015
Belgium - Occupational Exposure Limits	
Local name	Hydrogène (peroxyde d') # Waterstofperoxide
OEL TWA	1,4 mg/m ³
OEL TWA [ppm]	1 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 11/03/2002
Bulgaria - Occupational Exposure Limits	
Local name	Водороден пероксид
OEL TWA	1,5 mg/m ³
Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа
Croatia - Occupational Exposure Limits	
Local name	Vodikov peroksid
GVI (OEL TWA) [1]	1,4 mg/m ³
GVI (OEL TWA) [2]	1 ppm
KGVI (OEL STEL)	2,8 mg/m ³
KGVI (OEL STEL) [ppm]	2 ppm
Remark	O (oksidirajuće); C (nagrizajuće)
Regulatory reference	Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN, br. 75/13)

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hydrogen peroxide solution... % (INCI: HYDROGEN PEROXIDE) (7722-84-1)	
Czech Republic - Occupational Exposure Limits	
Local name	Peroxid vodíku
PEL (OEL TWA)	1 mg/m ³
PEL (OEL TWA) [ppm]	0,72 ppm
NPK-P (OEL C)	2 mg/m ³
NPK-P (OEL C) [ppm]	1,44 ppm
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (zpracovány změny č. 93/2012 Sb., 9/2013 Sb.)
Denmark - Occupational Exposure Limits	
Local name	Hydrogenperoxid (Brintoverilte)
OEL TWA [1]	1,4 mg/m ³
OEL TWA [2]	1 ppm
Regulatory reference	BEK nr 986 af 11/10/2012
Estonia - Occupational Exposure Limits	
Local name	Vesinikperoksiid
OEL TWA	1,4 mg/m ³
OEL TWA [ppm]	1 ppm
OEL STEL	3 mg/m ³
OEL STEL [ppm]	2 ppm
Regulatory reference	Vabariigi Valitsuse 18. septembri 2001. a määruse nr 293
Finland - Occupational Exposure Limits	
Local name	Vetyperoksidi
HTP (OEL TWA) [1]	1,4 mg/m ³
HTP (OEL TWA) [2]	1 ppm
HTP (OEL STEL)	4,2 mg/m ³
HTP (OEL STEL) [ppm]	3 ppm
Regulatory reference	HTP-ARVOT 2016 (Sosiaali- ja terveysministeriö)
France - Occupational Exposure Limits	
Local name	Peroxyde d'hydrogène (Eau oxygénée)
VME (OEL TWA)	1,5 mg/m ³
VME (OEL TWA) [ppm]	1 ppm
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
Greece - Occupational Exposure Limits	
OEL TWA	1,4 mg/m ³
OEL TWA [ppm]	1 ppm
OEL STEL	3 mg/m ³
Ireland - Occupational Exposure Limits	
Local name	Hydrogen peroxide

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hydrogen peroxide solution... % (INCI: HYDROGEN PEROXIDE) (7722-84-1)	
OEL TWA [1]	1,5 mg/m ³
OEL TWA [2]	1 ppm
OEL STEL	3 mg/m ³
OEL STEL [ppm]	2 ppm
Regulatory reference	Code of Practice for the Chemical Agents Regulations 2016
Lithuania - Occupational Exposure Limits	
Local name	Vandenilio peroksidas
IPRV (OEL TWA)	1,4 mg/m ³
IPRV (OEL TWA) [ppm]	1 ppm
NRV (OEL C)	3 mg/m ³
NRV (OEL C) [ppm]	2 ppm
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011
Poland - Occupational Exposure Limits	
Local name	Nadtlenek wodoru
NDS (OEL TWA)	1,5 mg/m ³
NDSCh (OEL STEL)	4 mg/m ³
Regulatory reference	Dz.U. 2014 poz. 817
Portugal - Occupational Exposure Limits	
Local name	Peróxido de hidrogénio
OEL TWA [ppm]	1 ppm
Regulatory reference	Norma Portuguesa NP 1796:2014
Slovakia - Occupational Exposure Limits	
Local name	Peroxid vodíka
NPHV (OEL TWA) [1]	1,4 mg/m ³
NPHV (OEL TWA) [2]	1 ppm
NPHV (OEL STEL)	2,8 mg/m ³
NPHV (OEL STEL) [ppm]	2 ppm
Regulatory reference	Nariadenie vlády č. 355/2006 Z. z.
Slovenia - Occupational Exposure Limits	
Local name	vodikov peroksid
OEL TWA	1,4 mg/m ³
OEL TWA [ppm]	1 ppm
OEL STEL	1,4 mg/m ³
OEL STEL [ppm]	1 ppm
KTV	1
Regulatory reference	Uradni list RS, št. 102/2010 z dne 17.12.2010
Spain - Occupational Exposure Limits	
Local name	Peróxido de hidrógeno

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hydrogen peroxide solution... % (INCI: HYDROGEN PEROXIDE) (7722-84-1)	
VLA-ED (OEL TWA) [1]	1,4 mg/m ³
VLA-ED (OEL TWA) [2]	1 ppm
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2017. INSHT
Sweden - Occupational Exposure Limits	
Local name	Väteperoxid
NGV (OEL TWA)	1,4 mg/m ³
NGV (OEL TWA) [ppm]	1 ppm
KTV (OEL STEL)	3 mg/m ³
KTV (OEL STEL) [ppm]	2 ppm
Regulatory reference	Hygieniska gränsvärden (AFS 2015:7)
United Kingdom - Occupational Exposure Limits	
Local name	Hydrogen peroxide
WEL TWA (OEL TWA) [1]	1,4 mg/m ³
WEL TWA (OEL TWA) [2]	1 ppm
WEL STEL (OEL STEL)	2,8 mg/m ³
WEL STEL (OEL STEL) [ppm]	2 ppm
Regulatory reference	EH40. HSE
Iceland - Occupational Exposure Limits	
Local name	Vetnisperoxíð
OEL TWA	1,4 mg/m ³
OEL TWA [ppm]	1 ppm
Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)
Norway - Occupational Exposure Limits	
Local name	Hydrogenperoksid
Grenseverdi (OEL TWA) [1]	1,4 mg/m ³
Grenseverdi (OEL TWA) [2]	1 ppm
Regulatory reference	Arbeidstilsynet. Forskrift, best.nr. 704
Switzerland - Occupational Exposure Limits	
Local name	Wasserstoffperoxid
MAK (OEL TWA) [1]	0,71 mg/m ³
MAK (OEL TWA) [2]	0,5 ppm
KZGW (OEL STEL)	0,71 mg/m ³
KZGW (OEL STEL) [ppm]	0,5 ppm
Remark	SS _c - Auge & Haut & OAW, Asthma - DFG, OSHA
Regulatory reference	SUVA - Grenzwerte am Arbeitsplatz 2016

8.1.2. Recommended monitoring procedures

No additional information available

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8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

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DNEL/DMEL (additional information)	
See http	//www.dguv.de/ifa/de/gestis/limit_values/index.jsp: Information on ingredients.
hydrogen peroxide solution... % (INCI: HYDROGEN PEROXIDE) (7722-84-1)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	3 mg/m ³
Long-term - local effects, inhalation	1,4 mg/m ³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	1,93 mg/m ³
Long-term - local effects, inhalation	0,21 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0,0126 mg/l
PNEC aqua (marine water)	0,0126 mg/l
PNEC aqua (intermittent, freshwater)	0,0138 mg/l
PNEC aqua (intermittent, marine water)	0,0138 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	0,0019 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	466 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Protect eyes, face and skin from liquid splashes. Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

No special eye protection equipment recommended under normal conditions of use

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8.2.2.2. Skin protection

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

Hand protection:

In case of repeated or prolonged contact wear gloves

Other skin protection

Materials for protective clothing:

The information in this section applies to the undiluted product.

8.2.2.3. Respiratory protection

Respiratory protection:

No special protection required where adequate ventilation is maintained

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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. clear.
Odour	: perfumed.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Oxidising properties	: May cause fire or explosion; strong oxidiser.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 60 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 6,4 (20°C)
Viscosity, kinematic	: Not available
Solubility	: Material highly soluble in water. completely soluble.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1,021 g/cm ³ (20°C)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Not established.

10.6. Hazardous decomposition products

Thermal decomposition generates : fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Water (INCI: AQUA) (7732-18-5)

LD50 oral	> 90000 mg/kg bodyweight
LD50 dermal	> 90000 mg/kg bodyweight

hydrogen peroxide solution... % (INCI: HYDROGEN PEROXIDE) (7722-84-1)

LD50 dermal rat	> 2000 mg/kg
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Skin corrosion/irritation : Not classified
pH: 6,4 (20°C)

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

hydrogen peroxide solution... % (INCI: HYDROGEN PEROXIDE) (7722-84-1)

pH	1 – 3,7
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Serious eye damage/irritation : Not classified
pH: 6,4 (20°C)

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

hydrogen peroxide solution... % (INCI: HYDROGEN PEROXIDE) (7722-84-1)

pH	1 – 3,7
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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 : Not classified

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

hydrogen peroxide solution... % (INCI: HYDROGEN PEROXIDE) (7722-84-1)

STOT-single exposure	May cause respiratory irritation.
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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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met, With the product as such no toxicological tests have been done. According to the criteria of art. 3 from (EC) Nr. 1272/2008 [CLP] this product is classified as mentioned in section 2. Components that are toxic are mentioned in section 3.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : With the product as such no ecological tests have been done. According to the criteria of art. 3 from (EC) Nr. 1272/2008 [CLP] this product is classified concerning the environment as mentioned in section 2. Components that are dangerous to the environment are mentioned in section 3.

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

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

hydrogen peroxide solution... % (INCI: HYDROGEN PEROXIDE) (7722-84-1)

LC50 - Fish [1]	16,4 mg/l (96h, Pimephales promelas)
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EC50 - Crustacea [1]	7 – 8 mg/l (24h)
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EC50 - Other aquatic organisms [1]	1,6 – 5 mg/l (Algae, 72h)
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12.2. Persistence and degradability

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Persistence and degradability	Not established. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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Water (INCI: AQUA) (7732-18-5)

Partition coefficient n-octanol/water (Log Kow)	-1,38
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hydrogen peroxide solution... % (INCI: HYDROGEN PEROXIDE) (7722-84-1)

Partition coefficient n-octanol/water (Log Pow)	-1,57
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hydrogen peroxide solution... % (INCI: HYDROGEN PEROXIDE) (7722-84-1)

Partition coefficient n-octanol/water (Log Kow) -1,57

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. 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 : This material and its container must be disposed of in a safe way, and as per local legislation. Product as it is : Chemical refuse, Dispose as hazardous waste. Empty containers can be dumped after cleaning according to local legislation. Recycling is preferred to disposal or incineration. Empty the packaging completely prior to disposal. Wash away remainder with plenty of water.
Additional information : Hazardous waste due to potential risk of explosion.
Ecology - waste materials : Avoid release to the environment.
European List of Waste (LoW) code : 20 01 29* - detergents containing dangerous substances

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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				

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14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Biocide Regulation (528/2012)

Contains substance(s) listed on the Biocidal Products list (Regulation EU 528/2012 concerning the making available on the market and use of biocidal products)

Type of product (Biocide)

: 6 - Preservatives for products during storage

Contains

: BENZISOTHIAZOLINONE; METHYLISOTHIAZOLINONE

Detergent Regulation (648/2004)

Allergenic fragrances > 0.01 %:

(R)-p-mentha-1,8-diene (D-Limonene) (INCI: D-LIMONENE)

Labelling of contents

Component	%
phosphates	<5%
BENZISOTHIAZOLINONE	

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Labelling of contents	
Component	%
METHYLISOTHIAZOLINONE	
perfumes	
D-LIMONENE	

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

ANNEX I RESTRICTED EXPLOSIVES PRECURSORS

List of substances which shall not be made available to, or introduced, possessed or used by, members of the general public, whether on their own or in mixtures or substances that include those substances, unless the concentration is equal to or lower than the limit values set out in column 2, and for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

Name	CAS-No.	Limit value	Upper limit value for licensing under Article 5(3)	Combined Nomenclature (CN) code for a separate chemically defined compound meeting the requirements of Note 1 to Chapter 28 or 29 of the CN, respectively	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Hydrogen peroxide	7722-84-1	12 % w/w	35% w/w	2847 00 00	ex 3824 99 96

Please see https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf

Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

Name	CN designation	CAS-No.	CN code	Category	Threshold	Annex
Methylethylketone	Butanone	78-93-3	2914 12 00	Category 3		Annex I

15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

ABM category : B(4) - low hazard for aquatic organisms
SZW-lijst van kankerverwekkende stoffen : Ethanol is listed
SZW-lijst van mutagene stoffen : None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding : Ethanol is listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : Ethanol is listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling : Ethanol is listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations : Pregnant/breastfeeding women working with the product must not be in direct contact with the product

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Raw materials information section 3.

See <http://esis.jrc.ec.europa.eu/index.php?PGM=dat> : Information on ingredients.

Health hazards

See Section 2 & 3 & 11.

Physical hazards

See Section 2 & 10.

Environmental hazards

See Section 2 & 3 & 12.

SECTION 16: Other information

Indication of changes

Section	Changed item	Change	Comments
	Type of product (Biocide)	Added	
	SDS Ref.	Modified	
	Revision date	Modified	
	Version	Modified	Minor
	Safety Data Sheet	Modified	SDS EU format according to COMMISSION REGULATION (EU) 2020/878
6.1	General measures	Modified	
11.2.	Adverse health effects caused by endocrine disrupting properties	Added	
12.6	Adverse effects on the environment caused by endocrine disrupting properties	Added	
13.1	Waste disposal recommendations	Modified	
16	Data sources	Modified	
16	Abbreviations and acronyms	Modified	

Abbreviations and acronyms:

	<p>ABM: Algemene Beoordelings Methodiek (NL) / ADR: Accord Européen relatif au transport international des marchandises dangereuses par route) / ALG: Allergen / AQTX: Aquatic Toxicity / Atm: Atmosphere (unit of pressure) / bw: bodyweight / C: Ceiling / CAR:\Carcinogenic Effects / CAS No: Chemical Abstracts Service Number (see ACS – American Chemical Society) / CMRs: Carcinogenic, Mutagenic or toxic to Reproduction (substances) / CSR: Chemical Safety Report / Cc (cm3): Cubic Centimeter / DNEL: Derived No-Effect Level / EC50: half maximal effective concentration / ED50: Effective Dose 50 / ET50: Exposure Time 50 / I.V.: Intravenous / Kg: Kilogram / LC: Lethal Concentration / LC50: Median Lethal Concentration / LCL0: Lowest Lethal Airborne Concentration Tested (see also LC50, LD50) / LD: Lethal Dose / LD50: Median Lethal Dose LDLO: Lowest Lethal Dose Tested (see also LC50, LD50) / MAC: Maximum Allowable Concentration / MAK: Maximale Arbeitsplatz-Konzentration (Germany, Maximum Workplace Concentration, see OEL) / MSDS: Material Safety Data Sheet / NOAEL: No Observed Adverse Effect Level / NOEL: No Observable Effect Level / OEL: Occupational Exposure Limits / PBTs: Persistent, Bioaccumulative and Toxic substances / PEC: Predicted Environmental Concentration / PNEC: Predicted No-Effect Concentration / REACH: Registration, Evaluation, Authorisation and Restriction of Chemical substances / STEL: Short-Term Exposure Limit / STEV: Short-Term Exposure Value / STP: Sewage Treatment Plant TLM: Threshold Limit, Median / TLV-C: Threshold Limit Value-Ceiling / TLV@: Threshold Limit Value / TWA: Time-Weighted Average / WGK: Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act) / g/gms: Grams / kJ/mol: Kilojoules per mole / kPa: KiloPascal (unit of pressure) / m3: Cubic Meter / mg: Milligram / ml: Milliliter / ml Hg: Milliliters of Mercury / n.o.s.: Not Otherwise Specified / nm: nanometer / ppb: Parts Per Billion / pph: parts per hundred (= percent) / ppm: Parts Per Million / ppt: parts per trillion / vPvBs: Very Persistent and Very Bioaccumulative substances</p>
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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
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 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals. 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. Regulation (EC) No. 648/2004 of 31 March 2004 on detergents.

Other information

: None. **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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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
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
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.
H412	Harmful to aquatic life with long lasting effects.
Ox. Liq. 1	Oxidising Liquids, Category 1
Ox. Liq. 2	Oxidising Liquids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Full text of use descriptors	
AISE SPERC 8a.1.a.v2	Wide Dispersive Use in 'Down the Drain' cleaning and maintenance products (Consumers and Professionals)
ERC8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
PC35	Washing and cleaning products
PROC10	Roller application or brushing
PROC11	Non industrial spraying
PROC2	Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC8b	Transfer of substance or mixture (charging and discharging) at dedicated facilities
SU21	Consumer uses: Private households (= general public = consumers)
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Safety Data Sheet (SDS), EU

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.