

SAFETY DATA SHEET according to Regulation (EU) 2020/878

Watersan

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Revision 3

	Revision date 2023-07-10				
SECTION 1: Identification of	the substance/mixture and of the company/undertaking				
1.1. Product identifier					
Product name	Watersan				
1.2. Relevant identified uses of t	1.2. Relevant identified uses of the substance or mixture and uses advised against				
Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen);				
Description	Advanced Active Silver Hydrogen Peroxide.				
1.3. Details of the supplier of the	e safety data sheet				
Company Address					
Web	www.oxiflo.com				
Telephone	07979 591112				
Email address of the competent person	info@oxiflo.com				
1.4. Emergency telephone numb					
Emergency telephone number	07979 591112				
	9.00am to 17.00pm				
	For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice)				
	If you are a healthcare professional with an enquiry please visit www.TOXBASE.org				
SECTION 2: Hazards identif	ication				
2.1. Classification of the substar	nce or mixture				
2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT SE 3: H335;				
2.2. Label elements					
Hazard pictograms					
Signal Word	Danger				
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Skin Irrit. 2: H315 - Causes skin irritation.				



2.2. Label elements				
	Eye Dam. 1: H318 - Causes serious eye damage. STOT SE 3: H335 - May cause respiratory irritation.			
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection.			
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell. 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.			
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved disposal site, in accordance with local regulations.			
SUPPLEMENTAL HAZARD	Contents - 50% Hydrogen Peroxide, Active Silver.			
	For Professional Use only.			
2.3. Other hazards				
Other hazards	This substance/mixture is not classified as PBT or vPvB according to current criteria. The substance/mixture does not contain substances with endocrine disrupting properties.			
Further information				
	1 year from date of manufacture.			

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Hydrogen Peroxide <50% (Hydrogen peroxide)		7722-84-1	231-765-0	01-2119485845-22	90 - 100%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Acute Tox. 4: H332; STOT SE 3: H335:
Silver (Silver, metallic)		7440-22-4	231-131-3	01-2119555669-21	0 - 0.5%	Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
	8% ≤ 0 50% ≤ 2; H31	C < 50%, Eye C < 70 %, SI 5: 35 % ≤ C •	Irrit. 2; H31 kin Corr. 1A < 50 %.	9: 5 % ≤ C < 8 %, C	Dx. Liq. 1; Skin Corr. 1	H335 C ≥ 35%, Eye Dam.1; H318: H271: C ≥ 70 %,, Ox. Liq. 2; H272:, B; H314: 50 % ≤ C < 70 %, Skin Irrit.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Get medical advice/attention.			
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. Get medical advice/attention.			
Skin contact	Remove contaminated clothing. Wash off immediately with plenty of soap and water. Get medical advice/attention.			
Ingestion	Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Get medical advice/attention.			
4.2. Most important symptoms and effects, both acute and delayed				
Inhalation	Harmful by inhalation. May cause irritation to respiratory system.			
Eye contact	Risk of serious damage to eyes. May cause permanent damage if eye is not immediately irrigated.			
Skin contact	Causes skin irritation.			
Ingestion	Harmful if swallowed.			

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



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

Inhalation	Move the exposed person to fresh air. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Seek medical attention. Show this safety data sheet to the doctor in attendance.		
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. Seek medical attention. Show this safety data sheet to the doctor in attendance.		
Skin contact	Remove contaminated clothing immediately. Rinse immediately with plenty of water. Seek medical attention. Show this safety data sheet to the doctor in attendance.		
Ingestion	Drink 1 to 2 glasses of water. Seek medical attention. Show this safety data sheet to the doctor in attendance.		
General information			

	If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.	
SECTION 5: Firefighting mea	asures	
5.1. Extinguishing media		
	This product is not flammable . Use fire-extinguishing media appropriate for surrounding materials EXTINGUISHING MEDIA:. Water spray. Do NOT use water jet.	
5.2. Special hazards arising from the substance or mixture		
	Closed containers can burst violently when heated, due to excess pressure build-up. Keep away from combustible materials.	
5.3. Advice for firefighters		
	Fire fighters should wear self contained positive pressure breathing apparatus (SCBA) and full turnout gear. Cool fire exposed containers with waterspray.	
Further information		
	In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
SECTION 6: Accidental relea	ase measures	
6.1. Personal precautions, prote	ctive equipment and emergency procedures	
	Wear suitable protective equipment. Avoid contact with eyes and skin. Avoid inhalation of vapour or spray/mist. Avoid sparks, flames, heat and sources of ignition. Provide adequate ventilation.	
6.2. Environmental precautions		
	Advise local authorities if large spills cannot be contained.	
6.3. Methods and material for co	ntainment and cleaning up	
	Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water.	
6.4. Reference to other sections		
	See section 2, 7, 8, 13 for further information.	
SECTION 7: Handling and st	orage	
7.1. Precautions for safe handlin	g	
	Avoid contact with eyes and skin. Do not breathe vapours or spray mist. Adopt best Manual Handling considerations when handling, carrying and dispensing.	
7.2. Conditions for safe storage,	including any incompatibilities	
	Store in a cool, dry area. Keep container tightly closed. Store in original container. Keep away from combustible material. Avoid contact with oxidising agents., Avoid exposure to high temperatures o	



7.2. Conditions for safe storage, including any incompatibilities			
direct sunlight., Store away from the following materials: Reducing agents. Alkalis. Metal or meta solid. Acetone. Organic compounds, Keep away from combustible material. Acids. Suitable container materials: Stainless steel. Aluminium. Polyethylene.			
7.3. Specific end use(s)			
	Advanced Active Silver Hydrogen Peroxide.		
Suitable packaging			
Plastic containers.			

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	Occupational exposure controls.	
8.1.1. Exposure Limit Values		
Hydrogen Peroxide <50% (Hydrogen peroxide)	WEL 8-hr limit ppm: 1	WEL 8-hr limit mg/m3: 1.4
	WEL 15 min limit ppm: 2 WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3: 2.8 WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

DNEL: Derived no-effect level.

Exposure Pattern - Workers	
Hydrogen Peroxide <50%	Acute inhalation - Local effects 3 mg/m ³
	Long-term - inhalation - Local 1.4 mg/m ³
	effects

Exposure Pattern - General population

<u> </u>	
Hydrogen Peroxide <50%	Acute inhalation - Local effects 1.93 mg/m ³
	Long-term - inhalation - Local 0.21 mg/m ³
	effects

8.2. Exposure controls

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection.	
8.2.1. Appropriate engineering controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below there respective threshold limit value. Ensure eyewash stations and safety showers are close to the workstation location.	
Eye / face protection	Chemical splash goggles. Personal Protective equipment for eye and face protection should comply with European Standard EN166. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.	
Skin protection - Handprotection	Rubber gloves. Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.	
Skin protection - Other	Wear suitable protective clothing. Emergency safety showers should be available in the immediate	



8.2. Exposure controls			
	vicinity of any potential exposure.		
Respiratory protection	No personal respiratory protective equipment normally required. In case of insufficient ventilation		
	wear suitable respiratory equipment. Respirator with ABEK filter EN 136/140/141/145/143/149.		
8.2.3. Environmental exposure	Prevent further leakage or spillage if safe to do so.		
controls			

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	Characteristic
Odour threshold	No data available
pH	0.95 - 1.05
Melting point	No data available
Initial boiling point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative Vapour Density	No data available
Density / Relative Density	1.18 - 1.196
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	< 100 centipoise
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic	
compounds)	

9.2.1. Information with regard to physical hazard classes

No data is available on this product.

9.2.2. Other safety characteristics

No data is available on this product.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions. No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal conditions. No particular stability concerns.

10.3. Possibility of hazardous reactions

may detonate when in mixing with organic substances and under certain conditions contact with metals and its salts may result in catalyzed decomposition 7., Heavy metals and their salts Copper. Chromium. Nickel. Lead. Iron. Dusty powder. Kerosene.



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10.4. Conditions to avoid	
	Avoid sparks, flames, heat and sources of ignition. Avoid storing in direct Sun Light. Protect from light, including direct sun rays. Store at moderate temperatures in a dry well ventilated area.
10.5. Incompatible materials	
	Keep away from combustible material. Strong acids. Strong bases. Strong oxidising agents. Strong reducing agents. Metal or metallic solid. Acetone. Organic compounds.
10.6. Hazardous decomposition	products
	Oxygen.
SECTION 11: Toxicological	information
11.1 Information on hazard class	ses
	This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).
Acute toxicity	Acute Tox. 4: H302 - Harmful if swallowed. Oral ATE = 433.4381 mg/kg. Inhalation - Dust/Mist ATE = 11.0622 mg/l.
Skin corrosion/irritation	Skin Irrit. 2: H315 - Causes skin irritation.
Serious eye damage/irritation	Eye Dam. 1: H318 - 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	STOT SE 3: H335 - 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.
Repeated or prolonged	based on available data the classification criteria are not met.
exposure	
11.1.2. Mixtures	
	No data available.
11.1.3. Hazard Information	
	No data available.
11.1.4. Toxicological Information	

Hydrogen Peroxide <50% Oral Rat LD50: 431 m

Hydrogen Peroxide <50%	Oral Rat LD50: 431 mg/kg	Dermal Rabbit LD50: 6440 mg/kg
	Inhalation Rat LC50/4 h: 11.0 mg/l	

11.2 Information on other hazards

No	data	is	available	on	this	product
110	uulu	10	available	011	0.03	product

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines.

12.3. Bioaccumulative potential

The product is not bioaccumulating.



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Partition coefficient		
	Watersan No data available Hydrogen Peroxide <50%	
12.4. Mobility in soil		
	This product is soluble in water.	
12.5. Results of PBT and vPvB a	assessment	
	This substance/mixture is not classified as PBT or vPvB according to current criteria.	
12.6 Endocrine disrupting prope	rties	
	No data is available on this product.	
12.7. Other adverse effects	·	
	No data is available on this product.	
SECTION 13: Disposal cons	iderations	
13.1. Waste treatment methods		
	Dispose of waste and residues in accordance with local authority requirements.	
General information		
	Waste is classified as hazardous waste. Do not puncture or incinerate, even when empty.	
Disposal of packaging		
	Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.	
SECTION 14: Transport info	rmation	
Hazard pictograms		
14.1. UN number		
	UN2014	
14.2. UN proper shipping name		
	HYDROGEN PEROXIDE, AQUEOUS SOLUTION	
14.3. Transport hazard class(es)		
ADR/RID	5.1	
Subsidiary risk	8	
IMDG	5.1	
Subsidiary risk IATA	8 5.1	
Subsidiary risk	8	
14.4. Packing group		
Packing group	11	
14.5. Environmental hazards	·	
Environmental hazards	No	
Marine pollutant	No	
14.6. Special precautions for user		
	No additional special precautions.	



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14.7 Maritime Transport in bulk according to IMO instruments

•	
	Not applicable.
ADR/RID	
Hazard ID	58
Tunnel Category	(E)
IMDG	
EmS Code	F-H S-Q
ΙΑΤΑ	
Packing Instruction (Cargo)	FORBIDDEN
Maximum quantity	FORBIDDEN
Packing Instruction	FORBIDDEN
(Passenger)	
Maximum quantity	FORBIDDEN

SECTION 15: Regulatory information

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

Regulations	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
	COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No information available.

SECTION 16: Other information

Other information		
Revision	This document differs from the previous version in the following areas:. 2 - Precautionary Statement: Prevention.	
	2 - Precautionary Statement: Response.	
	2 - Precautionary Statement: Storage.	
Data sources	Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008, as retained and amended in UK law.	
	Acute Tox. 4: H302 - Harmful if swallowed Calculation Method, See section 11 for ATE data.	
	Skin Irrit. 2: H315 - Causes skin irritation Calculation Method.	
	Eye Dam. 1: H318 - Causes serious eye damage Calculation Method.	
	STOT SE 3: H335 - May cause respiratory irritation Calculation Method.	
Text of Hazard Statements in	Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled	
Section 3	Skin Irrit. 2: H315 - Causes skin irritation.	
	Eye Dam. 1: H318 - Causes serious eye damage.	
	STOT SE 3: H335 - May cause respiratory irritation.	
	Aquatic Acute 1: H400 - Very toxic to aquatic life.	



Other information		
	Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.	
Further information		
	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.	

