

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

1.1. Product identifier

Product form : Mixture
 Product name. : Huwa-San Water Tank Treatment
 CAS No : 7722-84-1
 Synonyms : Stabilised hydrogen peroxide
 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 : Industrial and residential use.
 Use of the substance/mixture : Disinfectant – Water Treatment

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Hydrowater Ltd
 40 Firth Street
 Drury
 Auckland 2113
orders@hydrowater.co.nz

Manufacturer: ROAM TECHNOLOGY NV
 I.Z. Poort Genk 6835, Geleenlaan 24
 3600 Genk / Belgium
 T +32 89 44 00 42

1.4. Emergency telephone number

Country	Organisation	Address	Emergency Phone Number
NEW ZEALAND	New Zealand National Poisons Centre	University of Otago PO Box 913, Dunedin 9054, New Zealand	0800 POISON (0800 764 766)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

NZ. Assigning a Product to a HSNO Approval

Group Standard: HSR002684 - Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2017

Hazard classifications: 6.9B & 8.3A

Causes serious eye damage - H318
 May cause respiratory irritation - H335

Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

NZ: Hazardous Substances (Labelling) Notice 2017

Hazard pictograms :



GHS07

GHS05

Signal word : Danger
 Hazardous ingredients : Hydrogen peroxide solution 7.5 - 7.9%
 Precautionary statements : P101 - If medical advice is needed, have product container or label at hand
 P102 - Keep out of reach of children
 P103 - Read label before use
 P261 - Avoid breathing mist, spray, gas or vapours
 P271 - Use only outdoors or in a well-ventilated area
 P280 - Wear eye protection, face protection, protective clothing, protective gloves
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P310 - Immediately call a POISON CENTER or doctor/physician
 P304+340 - IF INHALED: Remove to fresh air, keep at rest in position comfortable for breathing

2.3. Other hazards

No additional information available

Huwa-San Water Tank Treatment

Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product identifier	%	Potential risks associated with this product
hydrogen peroxide solution	(CAS No) 7722-84-1 (EC no) 231-765-0 (EC index no) 008-003-00-9 (REACH-no) 01-2119485845-22	7.5 – 7.9	H318 & H335

Name	Product identifier	Specific concentration range
Silver as stabilizer	(CAS No) 7440-22-4	0.013 - 0.017

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.
First-aid measures after inhalation	: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Rinse with water. Do not apply (chemical) neutralizing agents. Remove clothing before washing. Take victim to a doctor if irritation persists.
First-aid measures after eye contact	: Rinse with water. Do not apply neutralizing agents. Call a POISON CENTER or a doctor. Keep rinsing until professional help arrives or at least for 15 min.
First-aid measures after ingestion	: Rinse mouth with water. Call Poison Information Centre. Consult a doctor/medical service. Ingestion of large quantities: immediately to hospital.

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

Symptoms/injuries after skin contact	: Slight irritation.
Symptoms/injuries after eye contact	: Potential of serious damage of the eye tissue.

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 : EXTINGUISHING MEDIA FOR SURROUNDING FIRES: All extinguishing media allowed.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: DIRECT FIRE HAZARD. Non combustible.
Explosion hazard	: DIRECT EXPLOSION HAZARD. No data available on direct explosion hazard. INDIRECT EXPLOSION HAZARD. No data available on indirect explosion hazard.

5.3. Advice for firefighters

Precautionary measures fire	: Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.
Firefighting instructions	: Cool tanks/drums with water spray/remove them into safety.
Protection during firefighting	: Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Mark the danger area. No naked flames. Wash contaminated clothes. Exposure to fire/heat: keep upwind. Exposure to heat: have neighbourhood close doors and windows.

Huwa-San Water Tank Treatment

Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

6.1.1. For non-emergency personnel

Protective equipment : Gloves. Safety glasses. Protective clothing. See "Material-Handling" to select protective clothing.
Emergency procedures : Mark the danger area. No naked flames. Wash contaminated clothes.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

For containment : Contain released substance, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply.
Methods for cleaning up : Take up liquid spill into inert absorbent material. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4. Reference to other sections

Reference to other sections (8, 13).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Comply with the legal requirements. Clean contaminated clothing. Thoroughly clean/dry the installation before use. Keep away from naked flames/heat. Observe strict hygiene. Keep container tightly closed. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

7.2. Conditions for safe storage, including any incompatibilities

Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: heat sources.
Storage area : Store in a cool area. Store in a dark area. Protect against frost. Meet the legal requirements.
Special rules on packaging : SPECIAL REQUIREMENTS: Securely closing. Clean. Opaque. Correctly labelled. Meet the legal requirements. Secure fragile packagings in solid containers.
Packaging materials : SUITABLE MATERIAL: Stainless steel, aluminium, synthetic material or glass.

7.3. Specific end use(s)

Refer to manufacturer/supplier for information on identified use(s).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

hydrogen peroxide solution (7722-84-1)		TWA
New Zealand	Limit value (mg/m ³)	1,4 mg/m ³
New Zealand	Limit value (ppm)	1 ppm

8.2. Exposure controls

Personal protective equipment : Gloves. Safety glasses. Protective clothing. Respiratory protection not required in normal conditions.
Materials for protective clothing : GIVE EXCELLENT RESISTANCE: butyl rubber. natural rubber. nitrile rubber. polyethylene. viton. GIVE GOOD RESISTANCE: polyethylene/ethylenevinylalcohol. PVC. GIVE LESS RESISTANCE: neoprene. GIVE POOR RESISTANCE: PVA.
Hand protection : Gloves.
Eye protection : Safety glasses.
Skin and body protection : Protective clothing.
Respiratory protection : Respiratory protection not required in normal conditions.
Environmental exposure controls : Reference to other sections (6.2, 6.3, 13).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid.
Molecular mass : 34,01 g/mol
Colour : Colourless.
Odour : Odourless.
Odour threshold : No data available
pH : 2,5 – 3,5

Huwa-San Water Tank Treatment

Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 103 °C
Flash point	: Not applicable
Self ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,028 - 1,030 g/cm ³
Solubility	: Soluble in water. Soluble in ethanol. Soluble in ether. Water: Complete
Log Pow	: -1,36
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Minimum ignition energy	: Not applicable
VOC content	: Not applicable
Other properties	: Clear. Physical properties depending on the concentration.

SECTION 10: Stability and reactivity

10.1. Reactivity

Decomposes slowly on exposure to light: oxidation which increases fire hazard. This reaction is accelerated on exposure to temperature rise and on exposure to impurities.

10.2. Chemical stability

Unstable on exposure to light.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

hydrogen peroxide solution (7722-84-1)	
LD50 dermal rabbit	> 2000 mg/kg
ATE (dermal)	2000,000 mg/kg
hydrogen peroxide solution (7722-84-1)	
ATE (oral)	500,000 mg/kg
ATE (dust,mist)	1,500 mg/l/4h

Skin corrosion/irritation	: Not classified pH: 2,5 – 3,5
Serious eye damage/irritation	: Causes serious eye damage. pH: 2,5 – 3,5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified

Huwa-San Water Tank Treatment

Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Classification concerning the environment: not applicable.
Ecology - air	: Not dangerous for the ozone layer (1999/45/EC).
Ecology - water	: Mild water pollutant (surface water) pH shift No data available on ecotoxicity

12.2. Persistence and degradability

hydrogen peroxide solution (7722-84-1)	
Persistence and degradability	Biodegradability: not applicable. Photolysis in the air.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

hydrogen peroxide solution (7722-84-1)	
Log Pow	-1,36
Bioaccumulative potential	Bioaccumulation: not applicable.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste. Treat using the best available techniques before discharge into drains or the aquatic environment.
Additional information	: Disposal in accordance with Hazardous Substances (Disposal) Notice 2017.
Ecology - waste materials	: Wastes not otherwise specified. Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste. Treat using the best available techniques before discharge into drains or the aquatic environment. Packaging containing residues of or contaminated by hazardous substances must be treated as hazardous waste.
EURAL code	: 06 13 99 - wastes not otherwise specified

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

Not a dangerous good for the transport regulations

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Class (UN) - N/A

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

Huwa-San Water Tank Treatment

Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

14.6. Special precautions for user

14.6.1. Overland transport

Land Transport Rule Dangerous Goods 2005 : N/A
Road and Rail Transport : Not regulated

14.6.2. Transport by sea

Transport regulations (IMDG) : N/A

14.6.3. Air transport

Transport regulations (IATA) : N/A

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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. NZ-Regulations

Group Standard assigned: HSR002684 - Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2017
Hazard classifications: 6.9B & 8.3A

15.1.2. National regulations

Water hazard : Slightly hazardous to water as concentrated product. Sufficient dilution will remove those hazards.

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:
Update excess.

Disclaimer : This document has been issued by Hydrowater Ltd and serves as their Safety Data Sheet (SDS). It is based on information concerning the product, which has been provided by Hydrowater Ltd or was obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspects of the product should be obtained directly from the manufacturer. While Hydrowater Ltd has taken all due care to include accurate and up to date information in this SDS, it does not provide any warranty as to accuracy and completeness. As far as lawfully possible, Hydrowater Ltd accepts no liability for any loss, injury or damage (including consequential loss, injury or damage) which may be suffered or any person specification for the substances/preparations/mixtures in questions.

Full text of H- and EUH-phrases::

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation

See section 2 of this SDS for the applicable phrases

SDS NZ

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