



# SAFETY DATA SHEET

**AQUAPRO**

Infosafe No.: X01XQ  
Version No.: 1.0  
ISSUED Date : 13/10/2022  
ISSUED by: SST AUSTRALIA PTY LTD

## Section 1 - Identification

### Product Identifier

AQUAPRO

### Product Code

140012020

### Company Name

SST AUSTRALIA PTY LTD

### Address

Level 3, 35 Cotham Road, Kew, Victoria 3101  
Australia

### Telephone/Fax Number

Telephone: +61 3 9720 6306 Fax number: +61 3 9720 6407

### Emergency Phone Number

1800 638 556

### E-mail Address

regaffairs.anz@dksh.com

### Recommended use of the chemical and restrictions on use

Turf adjuvant

## Section 2 - Hazard(s) Identification

### GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Eye damage/irritation: Category 2B

### Signal Word (s)

WARNING

### Hazard Statement (s)

H320 Causes eye irritation.

AUH066 Repeated exposure may cause skin dryness or cracking.

### Precautionary Statement – Prevention

P264 Wash skin thoroughly after handling.

### Precautionary Statement – Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

## Section 3 - Composition and Information on Ingredients

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### Ingredients

Name	CAS	Proportion
Oxirane, methyl-, polymer with oxirane	9003-11-6	30-40 %
1,2-Propanediol	57-55-6	1-5 %
Ingredients determined not to be hazardous, including water		Balance

## Section 4 - First Aid Measures

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### Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

### Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

### Skin

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

### Eye

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

### First Aid Facilities

Eyewash, safety shower and normal washroom facilities.

### Advice to Doctor

Treat symptomatically.

### Other Information

For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (131 126)

## Section 5 - Firefighting Measures

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### Suitable Extinguishing Media

Water spray, carbon dioxide, dry chemical or foam.

### Unsuitable Extinguishing Media

High pressure water jet

### Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.

### Specific hazards arising from the chemical

This product is non combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.

### Decomposition Temperature

Not available

### Precautions in connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## Section 6 - Accidental Release Measures

### Emergency Procedures

Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. As a water based product, if spilt on electrical equipment the product will cause short-circuits. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## Section 7 - Handling and Storage

### Precautions for Safe Handling

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, out of direct sunlight. Protect from freezing. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

## Section 8 - Exposure Controls and Personal Protection

### Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
1,2-Propanediol	Safe Work Australia	TWA	150	ppm	(total vapour and particulates)
1,2-Propanediol	Safe Work Australia	TWA	474	mg/m3	(total vapour and particulates)
1,2-Propanediol	Safe Work Australia	TWA	10	mg/m3	(particulates only)

### Biological Monitoring

No biological limits allocated.

### Control Banding

Not available

### Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye and Face Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

#### Thermal Hazards

No further relevant information available.

#### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Liquid	Appearance	Pale yellow liquid
Colour	Pale yellow	Odour	Not available
Melting Point	Not available	Boiling Point	Not available
Decomposition Temperature	Not available	Solubility in Water	Insoluble
Specific Gravity	1.01	pH	7.0 (approximate)
Vapour Pressure	Not available	Relative Vapour Density (Air=1)	Not available
Evaporation Rate	Not available	Odour Threshold	Not available
Viscosity	Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity	Volatile Component	50%
Partition Coefficient: n-octanol/water (log value)	Not available	Flash Point	> 150 °C
Flammability	Not flammable	Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available	Flammable Limits - Upper	Not available
Explosion Properties	Not available	Oxidising Properties	Not available
Kinematic Viscosity	Not available	Dynamic Viscosity	Not available

## Section 10 - Stability and Reactivity

#### Reactivity

Based on the composition not expected to be reactive.

#### Chemical Stability

Stable under normal conditions of storage and handling.

#### Possibility of hazardous reactions

Reacts with incompatible materials.

#### Conditions to Avoid

Heat, open flames and other sources of ignition. Extremes of temperature and direct sunlight.

#### Incompatible Materials

Strong oxidising agents.

#### Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.

#### Hazardous Polymerization

Not available

## Section 11 - Toxicological Information

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### Toxicology Information

Toxicity data for material given below.

#### Acute Toxicity - Oral

Oxirane, methyl-, polymer with oxirane

LD50 (rat): 2300 mg/kg

1,2-Propanediol

LD50 (rat): > 20000 mg/kg

#### Acute Toxicity - Dermal

1,2-Propanediol

LD50 (rabbit): > 2000 mg/kg

No deaths occurred at this concentration.

#### Acute Toxicity - Inhalation

Oxirane, methyl-, polymer with oxirane

LC50 (rat): 0.32 mg/l/4h

1,2-Propanediol

LC50 (rabbit, aerosol): 317.042 mg/l/2h

No deaths occurred at this concentration.

### Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

### Inhalation

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

### Skin

May be irritating to skin. The symptoms may include redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

#### Skin Corrosion/Irritation

Oxirane, methyl-, polymer with oxirane

Species: Rabbit

Dose Levels: 500 mg/24h

Result: Mildly irritating

### Eye

Causes eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

#### Serious Eye Damage/Irritation

Oxirane, methyl-, polymer with oxirane

Species: Rabbit

Dose Levels: 500 mg/24h

Result: Mildly irritating

#### Respiratory Sensitisation

Not expected to be a respiratory sensitiser.

#### Skin Sensitisation

Not expected to be a skin sensitiser.

1,2-Propanediol

Did not cause allergic skin reactions when tested in humans.

#### Germ Cell Mutagenicity

Not considered to be a mutagenic hazard.

1,2-Propanediol

In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

### Carcinogenicity

Not considered to be a carcinogenic hazard.

1,2-Propanediol

Did not cause cancer in laboratory animals.

#### **Reproductive Toxicity**

Not considered to be toxic to reproduction.

Teratogenicity:

1,2-Propanediol

Did not cause birth defects or any other foetal effects in laboratory animals.

Reproductive toxicity:

1,2-Propanediol

In animal studies, did not interfere with reproduction. In animal studies, did not interfere with fertility.

#### **STOT - Single Exposure**

Not expected to cause toxicity to a specific target organ.

#### **STOT - Repeated Exposure**

Not expected to cause toxicity to a specific target organ.

1,2-Propanediol

In rare cases, repeated excessive exposure to propylene glycol may cause central nervous system effects.

#### **Aspiration Hazard**

Not expected to be an aspiration hazard.

## **Section 12 - Ecological Information**

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#### **Ecotoxicity**

The available ecological data is given below.

#### **Persistence and degradability**

1,2-Propanediol

Readily biodegradable.

Passes OECD test(s) for ready biodegradability. Biodegradation may occur under anaerobic conditions (in the absence of oxygen).

10-day Window: Pass

81% biodegradability in 28 days.

Method: Equivalent or similar to OECD Test Guideline 301F

96% biodegradability in 64 days.

Method: Equivalent or similar to OECD Test Guideline 306

#### **Mobility**

1,2-Propanediol

Given its very low Henry's constant, volatilisation from natural bodies of water or moist soil is not expected to be an important fate process. Potential for mobility in soil is very high.

Koc: < 1 (estimated)

#### **Bioaccumulative Potential**

1,2-Propanediol

Low bioaccumulation potential.

Partition Coefficient: n-octanol/water (logPow): -1.07 (measured)

Bioconcentration Factor (BCF): 0.09 (estimated)

#### **Other Adverse Effects**

Not available

#### **Environmental Protection**

Prevent this material entering waterways, drains and sewers.

#### **Acute Toxicity - Fish**

Oxirane, methyl-, polymer with oxirane

LC50 (fish): 100 mg/l/96h

1,2-Propanediol  
LC50 (Oncorhynchus mykiss (rainbow trout)): 40613 mg/l/96h, static test  
Method: OECD Test Guideline 203

**Acute Toxicity - Daphnia**

Oxirane, methyl-, polymer with oxirane  
EC50 (crustacea): > 100 mg/l/96h

1,2-Propanediol  
EC50 (Ceriodaphnia dubia (water flea)): 18340 mg/l/48h, static test  
Method: OECD Test Guideline 202

**Acute Toxicity - Algae**

1,2-Propanediol  
ErC50 (Pseudokirchneriella subcapitata (green algae), growth rate inhibition): 19000 mg/l/96h  
Method: OECD Test Guideline 201

**Acute Toxicity - Bacteria**

1,2-Propanediol  
NOEC (Pseudomonas putida): > 20000 mg/l/18h

**Chronic Toxicity - Daphnia**

1,2-Propanediol  
NOEC (Ceriodaphnia dubia (water flea), number of offspring): 13020 mg/l/7d, semi-static test

**Hazardous to the Ozone Layer**

This product is not expected to deplete the ozone layer.

## Section 13 - Disposal Considerations

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**Disposal Considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations. To minimise personal exposure, refer to Section 8 - Exposure Controls and Personal Protection.

## Section 14 - Transport Information

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**Transport Information**

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**ADG U.N. Number**

None Allocated

**ADG Proper Shipping Name**

None Allocated

**ADG Transport Hazard Class**

None Allocated

**ADG Packing Group**

None Allocated

**Special Precautions for User**

Not available

**IATA UN Number**

None Allocated

**IATA Proper Shipping Name**

Not dangerous for conveyance under IATA code

**IATA Transport Hazard Class**

None Allocated

**IATA Packing Group**

None Allocated

**IMDG UN Number**

None Allocated

**IMDG Proper Shipping Name**

Not dangerous for conveyance under IMO/IMDG code

**IMDG Transport Hazard Class**

None Allocated

**IMDG Packing Group**

None Allocated

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

## Section 15 - Regulatory Information

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**Regulatory Information**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Poisons Schedule**

Not Scheduled

**Australia (AICS/AIIC)**

All components of this product are listed on the Inventory or exempted.

**Montreal Protocol**

Not Listed

**Stockholm Convention**

Not Listed

**Rotterdam Convention**

Not Listed

**International Convention for the Prevention of Pollution from Ships (MARPOL)**

Not available

**Agricultural and Veterinary Chemicals Act 1994**

Not available

**Basel Convention**

Not available

## Section 16 - Any Other Relevant Information

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**Date of Preparation**

SDS Created: October 2022

**Literature References**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Code of Practice for Supply Diversion into Illicit Drug Manufacture.

National Code of Practice for Chemicals of Security Concern.



Agricultural Compounds and Veterinary Chemicals Act.  
International Agency for Research on Cancer (IARC) Monographs.  
Montreal Protocol on Substances that Deplete the Ozone Layer.  
Stockholm Convention on Persistent Organic Pollutants (POPs).  
Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.  
Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.  
International Air Transport Association (IATA) Dangerous Goods Regulations.  
International Maritime Dangerous Goods (IMDG) Code.  
Workplace exposure standards for airborne contaminants.  
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).  
Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition).  
Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

## END OF SDS

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