

SAFETY DATA SHEET

AQUASPREAD®

SECTION 1: Identification of the substance and supplier

Product name:	AQUASPREAD
Recommended Use:	Agricultural / horticultural adjuvant
Company:	Grosafe Chemicals Ltd.
Address:	20 Jean Batten Drive, Mt Maunganui 3116 (P.O. Box 14450 Tauranga 3141)
Email:	info@grosafe.co.nz
Telephone Toll Free Number:	0800 220 002
Emergency Telephone Number: (EMERGENCIES ONLY)	0800 CHEMCALL (0800 243 622)

SECTION 2: Hazards Identification

Hazardous substance according to Hazardous Substances and New Organisms (HSNO) Act 1996

HSNO Substance Approval: HSR002503

Hazard Classifications: Serious eye damage Category 1; Hazardous to the aquatic environment chronic Category 2.

Pictograms:



Signal Word: DANGER

Hazard Statements:

- H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

- P280 Wear eye protection/face protection.

Response statements:

- P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present. Continue
+ P338 rinsing.
P310 Immediately call a POISON CENTRE or doctor.
P391 Collect spillage.

Disposal

- P501 Dispose of contents/container in accordance with local regulations.

Additional labelling statements required under Hazardous Substances (Labelling) Notice 2017

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water.

SECTION 3: Composition/information on ingredients

Ingredient	CAS No.	Proportion
Alcohol Ethoxylate	Trade Secret	20 - <50 %
Siloxane Polyalkylenoxide Copolymer	Trade Secret	20 - <50 %

SECTION 4: First Aid Measures

General Information:

For advice call the NATIONAL POISONS CENTRE, telephone 0800 POISON [0800 764 766]. Have product label or container

at hand.

IF SWALLOWED: Call the NATIONAL POISONS CENTRE or doctor for advice if you feel unwell.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.

IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call the NATIONAL POISONS CENTRE or doctor for advice if person feels unwell.

Symptoms caused by exposure

Unlikely to cause harmful effects under normal conditions of handling and use.

Medical attention and special treatment

Treat symptomatically.

SECTION 5: Fire Fighting Measures

Suitable extinguishing media:

Alcohol resistant foam, carbon dioxide or dry chemical as appropriate for surrounding materials. Avoid water jet as this may spread fire. Contain extinguishing media to prevent runoff into drains, sewers, waterways.

Specific hazards arising from the product:

In case of fire, carbon monoxide and carbon dioxide may be formed. Fire decomposition products may be toxic/harmful and/or irritating if inhaled. Evacuate people to safe area upwind of fire.

Special protective equipment and precautions for fire fighters:

Take precautionary measures against static discharges. To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system.

Wear full personal protective equipment including with self-contained breathing apparatus (SCBA). Prevent water from fire-fighting to enter water supplies or drainage systems

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Have this SDS available. In the event of a spill, wear appropriate protective clothing, eye and hand protection. Wash contaminated personal protective equipment and clothing and dry before re-use.

Environmental precautions

Prevent spillage from entering drains or waterways. If contamination of drains, streams, watercourses, etc. is unavoidable, advise the local water authority.

Methods and materials for containment and cleaning up

Contain spilled material. For small liquid spills, use absorbent material such as sand, soil, vermiculite and recover into labelled drums that can be sealed for safe disposal. For large liquid spills, recover liquid into labelled containers then absorb remaining liquid and transfer to drums for disposal. Clean area with water and detergent.

Dispose of contaminated materials to approved landfill in accordance with local regulations.

SECTION 7: Handling and Storage

Precautions for safe handling

Read the label before use.

Wear protective eye protection/face protection, protective gloves and protective clothing.

Do not apply directly into or onto water.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Conditions for safe storage

Store securely in the closed original packaging out of reach of children and in a dry, cool, well-ventilated area and out of direct sunlight. Keep away from food, drink and animal feedstuffs.

Incompatible with explosives, oxidizing agents, organic peroxides

Storage of 1000 L or more of this product requires an emergency response plan, secondary containment and signage.

SECTION 8: Exposure Control/Personal Protection

Control parameters – exposure standards, biological monitoring

Ingredient	TWA (mg/m ³)	STEL (mg/m ³)
-		

Engineering controls

Use outdoors or in a well-ventilated area.

Personal protective equipment (PPE)

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

Eye/Face Protection: Wear chemical resistant goggles/face shield if eye contact is possible.

Skin Protection: Wear impervious chemical resistant gloves (e.g. nitrile, butyl), coveralls, socks and chemical resistant footwear. For overhead spray exposure, wear chemical resistant headgear. Ensure all skin areas are covered.

Respirator: Use outdoors in well-ventilated area or use local exhaust ventilation. Where product is being sprayed and a mist could be produced a respirator should be worn. It should be fitted with a cartridge, suitable for solvents/agricultural chemicals.

SECTION 9: Physical and Chemical Properties

Appearance	Yellow liquid
Odour	Mild
Odour threshold	No data
pH	No data
Melting/Freezing Point	-20°C
Boiling Point /Range	> 150 °C (1,013 hPa)
Flash point	165 °C (ASTM D 93)
Flammability (solid, gas)	Not flammable
Upper/Lower flammability or explosive limits	No data
Vapour Pressure	< 1.33 hPa (20 °C)
Vapour density	Vapors are heavier than air and may spread near ground to sources of ignition.
Specific gravity/bulk density	1.0102 g/cm ³ (25 °C)
Solubility	Dispersible in water.
Partition Co-efficient n-octanol/water	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Kinematic viscosity	112 mm ² /s (25 °C)
Particle characteristics	No data

SECTION 10: Stability and Reactivity

Reactivity and chemical stability

This product is unlikely to react or decompose under normal temperatures and pressure for storage and use.

Conditions to avoid

None specified.

Incompatible materials and possible hazardous reactions

Incompatible with explosives, oxidizing agents, organic peroxides.

Hazardous decomposition products

In case of fire, gives off (emits): Carbon oxides Oxides of silicon. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

Polymerisation

Hazardous polymerization does not occur.

SECTION 11: Toxicological Information

Health hazard information

The product is classified for health hazards according to an assessment of information on the product.

Toxicological information

Acute toxicity:	Not classified.
Aspiration hazard:	Not classified.
Respiratory irritation:	Not classified.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Classified as causing serious eye damage.
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity:	No ingredients in product identified as presumed or suspected mutagens.
Carcinogenicity	No ingredients in product identified as presumed or suspected carcinogens.
Reproductive toxicity	No ingredients in product identified suspected of damaging fertility or the unborn child.
Specific target organ toxicity – single/repeated exposure	No ingredients in product identified as specific target organ toxicants.
Narcotic effects	Product contains no ingredient identified as causing narcotic effects.

Toxicological data:

No data available on product.

SECTION 12: Environmental Information

ECOTOXICITY

This product is classified hazardous to the aquatic environment chronic Category 2.

Environmental fate

Breakdown in soil and groundwater:	No data
Bioaccumulation:	No data
Partition coefficient (octanol/water):	No data
Soil mobility:	No data
Other adverse effects:	No data

Ecotoxicity data:

No data on product

SECTION 13: Disposal Considerations

Product disposal: Dispose of this product only by using according to the label, or through the Agrecovery® Chemical Recovery service or other licensed hazardous waste disposal facility.

Container disposal: Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, puncture and dispose of at an approved landfill.

Avoid contamination of any water supply with product or empty container.

Precautions: Do not allow product or empty container to enter waterways.

Disposal methods to avoid. Do not burn empty container. Do not allow product or empty container to enter waterways.

SECTION 14: Transport Information

Road and Rail Transport:

Classified as Dangerous Good Class 9 according to NZS5433 Transport of Dangerous Goods on Land.

UN number or ID number: UN 3082
UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Siloxane Polyalkylenoxide Copolymer)
Transport Hazard Class: 9
Packing Group: III
HAZCHEM: 3ZE
Marine Pollutant: Yes
Limited quantity: 5.0 L

Marine Transport (IMO/IMDG):

Classified as Dangerous Good Class 9 by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN number or ID number: UN 3082
UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Siloxane Polyalkylenoxide Copolymer)
Transport Hazard Class: 9
Packing Group: III
Marine Pollutant: Yes
Limited quantity: 5.0 L

Air Transport (ICAO/IATA):

Classified as Dangerous Good Class 9 by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by air.

UN number or ID number: UN 3082
UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Siloxane Polyalkylenoxide Copolymer)
Transport Hazard Class: 9
Packing Group: III
Marine Pollutant: Yes
Limited quantity: 5.0 L

SECTION 15: Regulatory Information

Hazardous substance according to Hazardous Substances (Hazard Classification) Notice 2020.

Approval number:	HSR002503.
Hazardous classifications:	Serious eye damage Category 1; Hazardous to the aquatic environment chronic Category 2.
HSW (HS) Regulations 2017	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Signage Trigger Quantity (Schedule 3)	1000 L
Emergency Response Plan (Schedule 5)	1000 L
Secondary Containment (Schedule 16)	1000 L
Tracking (Schedule 26)	Not required
Tolerable Exposure Level (TEL)	None set
Environmental Exposure Level (EEL)	None set
International Agreements	Not applicable
Additional information:	Refer to HS Notices (www.epa.govt.nz) and HSW HS Regulations (www.worksafe.govt.nz)

SECTION 16: Other Information

Date of preparation or last revision of SDS

SDS issued: 26th February 2024
SDS supersedes: October 2020
Reason issued: Update to GHS

ABREVIATIONS

ADI	Acceptable Daily Intakes
CAS number	Chemical Abstracts Service Registry Number
CCID	Chemical Classification Identification Database
EPA	Environmental Protection Authority
ErC₅₀	Half maximal Effective Concentration
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HSNO	Hazardous Substances and New Organisms
HS	Health and Safety
HSR	Hazardous Substances Register
IARC	International Agency for Research on Cancer
LC₅₀	Median Lethal Concentration
LD₅₀	Median Lethal Dose
SDS	Safety Data Sheets
NOAEL	No Observable Adverse Effect Level
NOEL	No Observable Effect Level
NOS	Not otherwise specified
STEL	Short Term Exposure Limit
SWA	Safety Work Australia
TWA	Time-Weighted Average
UN Number	United Nations Number

REFERENCES

EPA CCID and Approved Substance databases
 PPDB- Pesticides Properties DataBase

OTHER

Aquaspread is a registered trademark of Grosafe Chemicals Ltd

Information contained in this Safety Data Sheet is provided in good faith and is believed to be correct at the date hereof. However, it's expected that individuals receiving the information will exercise independent judgement in determining its appropriateness for a particular purpose. Grosafe Chemicals Ltd makes no representation whatsoever as to the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability whatsoever, whether with respect to negligence or otherwise, and no responsibility as permitted by law for any loss or damage arising from or connection with the supply or use of the information in this Safety Data Sheet.

End of Safety Data Sheet