

**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 3143 )  
**Email:** enquiries@Grosafechemicals.co.nz  
**Telephone Toll Free Number:** 0800 220 002  
**Emergency Telephone Number:** 0800 CHEMCALL ( 0800 243622 )  
**(EMERGENCIES ONLY)**

**Date of Issue:** August 2015

**SECTION 2: Hazards Identification**

**HSNO Hazard Classification:** 6.1E : may be harmful if swallowed or absorbed through the skin, 6.3 A: irritating to the skin, 6.4A: irritating to the eyes, 6.9A: toxic to human target organs or systems , 9.1 D: harmful to aquatic organisms.

**SECTION 3: Composition/information on ingredients**

Chemical Entity	CAS No.	Proportion
Alcohol Ethoxylate	Trade secret	30 – 60 %
Siloxane Polyalkylenoxide Copolymer	Trade secret	10 – 30 %
Polyalkylene oxide	Trade secret	1 – 5 %

**SECTION 4: First Aid Measures**

**Skin contact:** Wash with soap and water. Wash contaminated clothing before reuse.

**Eye contact:** Flush eyes with clean water for 15 minutes or more. If irritation persists consult a doctor

**Ingestion:** If swallowed, seek medical attention.

**Inhalation:** Remove person to fresh air. If not breathing, give CPR. Seek medical attention.

**Advice to doctor :** No specific requirements, treat symptomatically.

Consult The National Poisons Information Centre, 0800 POSITION (0800 764 766), or a Doctor in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur seek medical attention immediately.

## SECTION 5: Fire Fighting Measures

<b>Flash point:</b>	165 °C. Non flammable, but will burn in a hot fire.
<b>Products in case of fire:</b>	In event of fire toxic gases may be released.
<b>Hazardous Decomposition Products:</b>	None with proper storage and handling
<b>Special Fire Fighting procedures:</b>	Evacuate personnel to a safe area. Wear breathing apparatus and full protective clothing. Do not allow water from fire-fighting to enter water supplies, or drainage systems
<b>Extinguishing Media:</b>	Water fog, foam, CO <sub>2</sub> , or dry chemical extinguishers.
<b>HAZCHEM Code:</b>	2[Z]

## SECTION 6: Accidental Release Measures

Wear appropriate protective equipment (see Section 8). Clear the area of all unprotected personnel. Prevent entry of chemical or used/damaged containers into sewers, drains, streams or waterways. If necessary, inform the police and the Regional Council. For the purposes of complying with Hazardous Substances (Disposal) Regulations (2001) this SDS must be made available within 10 minutes to any person using the product.

<b>Small Spill:</b>	<b>Use personal protective equipment. Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. Take up with absorbent material.</b>
<b>Large Spill:</b>	<b>Wear protective clothing and equipment (see Section 8). Stop further release of spilled material. Take up with absorbent material and place in secure containers for disposal. Do not discharge into the subsoil/soil. If further information is required, telephone Grosafe Chemicals Ltd. at 0800 820 002.</b>

## SECTION 7: Handling and Storage

### Handling

Avoid contact with eyes and skin. Keep away from food, drink and animal feedstuffs. After work, remove protective clothing, and wash hands before eating, smoking, drinking or using the toilet. Clean up spilled material immediately, and wash clothes, equipment and work area after use.

### Storage

Keep out of reach of children and animals. Store in tightly closed original containers in a cool, dry, well-ventilated area out of direct sunlight. Do not store with food, feedstuffs, fertilisers and seeds.

**This substance is subject to a requirement for an emergency management response plan, secondary containment and signage, whenever it is held in quantities of 100 litres or more, either alone or in aggregate with other hazardous substances. See Hazardous Substances (Emergency Management) Regulations 25 to 42.**

## SECTION 8: Exposure Control/Personal Protection

### ENGINEERING CONTROLS

When mixing or handling wear a face mask or goggles, rubber gloves and overalls. Avoid inhalation of spray mist.

## SECTION 9: Physical and Chemical Properties

<b>Appearance:</b>	Yellow liquid
<b>Odour</b>	Characteristic, mild
<b>Density:</b>	ca. 1.012
<b>Solubility in water:</b>	Soluble
<b>pH:</b>	N / A
<b>Melting temperature:</b>	Not measured
<b>Boiling temperature:</b>	> 150 °C.
<b>Vapour pressure:</b>	Not measured

See also Section 5 and 10

## SECTION 10: Stability and Reactivity

<b>Chemical Stability:</b>	Stable under normal storage conditions
<b>Materials to avoid:</b>	None especially.
<b>Hazardous Decomposition Products:</b>	If product is involved in a fire, carbon dioxide, carbon monoxide, may be formed.
<b>Hazardous polymerisation:</b>	Not known to occur

## SECTION 11: Toxicological Information

**Health effects:** See symptoms of Exposure in Section 4

### **Acute**

Overexposure to vapour, aerosol or mist generated at high temperature may result in eye and respiratory tract irritation, dizziness, nausea, and the inhalation of harmful amounts of material.

### **Chronic effects:**

This material was not mutagenic in three mammalian test systems including the Chinese Hamster Ovary (CHO)/HGPRT gene mutation assay, a micronucleus cytogenetic assay in mice, and an in vitro mammalian cytogenetic test., In a repeated skin application study with rats, this material caused moderate skin irritation which resolved during a post-application recovery period. There was no evidence for percutaneous cumulative or specific organ toxicity, and no effect on male or female reproductive systems., Findings from a 14-day dietary feeding study with rats show that high dosage repeated ingestion of this material causes reversible adverse effects on the male and female reproductive tracts. Additional effects seen include increased liver weight, altered blood cytology/chemistry, and thyroid enlargement (primarily hypertrophy, with some hyperplasia). Evidence of partial or complete recovery was found over a 28-day recovery period., Findings from a repeat 9-day aerosol inhalation toxicity study with rats show a no-observable-effect-level (NOEL) of less than 0.025 mg/l. Symptoms of toxicity included rales, gasping, ocular opacity, prostration, hypothermia, reduced body weight gain and food consumption, changes in clinical pathology, decreased thymus weight, and microscopic lesions in the nasal cavity. There was no effect on the male or female reproductive systems. It is not anticipated that the use of aqueous dilutions of this product would result in this type of aerosol exposure.

## SECTION 12: Environmental Information

### **ECOTOXICITY**

Low toxicity under normal conditions. Avoid unintentional discharge into the environment.

## SECTION 13: Disposal Considerations

### DISPOSAL

Contaminated material must be disposed of in accordance with all local authority requirements.

Dispose of empty containers and unused spray mix according to label directions.

Dispose of unwanted product by using according to label directions or at an approved landfill.

DO NOT Contaminate any body of water by spraying, cleaning of equipment or disposal of product or container.

## SECTION 14: Transport Information

UN No.:	<b>3082</b>
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID (hydroxypropanetricarboxylate)
Dangerous Goods Class:	9
Packing group:	III
Marine Pollutant:	yes

Do not carry more than 3 kg. on a passenger service vehicle.

Transport according to the requirements of the Land Transport Rule 45001: Dangerous Goods 1999, the Maritime Rule 24A Carriage of Cargoes-Dangerous Goods and Civil Aviation Rule 92: Carriage of Dangerous Goods is deemed to comply with certain requirements of the Hazardous Substances (Identification) and (Emergency Management) Regulations (2001).

## SECTION 15: Regulatory Information

Approved pursuant to HSNO Act 1996, Approval code: HSR 002503  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

## SECTION 16: Other Information

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. No warranty, express or implied is made since we cannot anticipate or control the conditions under which the product may be used.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Grosafe Chemicals Ltd.