

SAFETY DATA SHEET

HORTCARE™ LIME SULPHUR

SECTION 1: Identification of the substance and supplier

Product name: HORTCARE LIME SULPHUR
Recommended Use: Fungicide, insecticide, miticide

Company: Grosafe Chemicals Ltd.
Address: 20 Jean Batten Drive , Mt Maunganui. (P.O. Box 14450 Tauranga, 3143)
Email: info@grosafe.co.nz
Telephone Toll Free Number:
Emergency Telephone Number: 0800 CHEMCALL (0800 243622)
(EMERGENCIES ONLY) The National Poisons Centre, 0800 POSION (0800 764 766)

Date of Issue: July 2017

SECTION 2: Hazards Identification

HSNO Hazard Classification: 6.3A, 8.3A, 9.1D, 9.3C

SECTION 3: Composition/information on ingredients

<u>Ingredients</u>	<u>CAS Number</u>	<u>Content</u>
Calcium polysulphide	(CAS# 1344-81-6)	300 g/l

SECTION 4: First Aid Measures

In case of poisoning by any route contact a doctor or Poisons Information Centre.

Swallowed: If large quantities are ingested, drink plenty of water. Do not induce vomiting. Immediately contact a doctor or Poisons Information Centre.

Eye: Flush eyes with large quantities of water for 15 minutes. Seek medical advice.

Skin: If contact occurs remove contaminated clothing and wash affected areas thoroughly with soap and water. Consult a doctor if irritation persists.

Inhaled: Move affected person to fresh air and keep at rest until recovered.

Advice to Doctor: Forms hydrogen sulphide in the stomach: give a slurry of activated charcoal to drink. If not available substitute milk or egg white.

Contact The National Poisons Centre (0800 POISON (0800 764 766) for more information.

SECTION 5: Fire Fighting Measures

HAZCHEM Code:	2X
Dangerous Goods Class:	None allocated
Extinguishing media:	Fine water spray or foam.
Unsuitable extinguishing media:	Avoid water jet
Special exposure hazards:	None
Fire and Explosive Properties:	May form hazardous decomposition products
Flammability:	Non-flammable

SECTION 6: Accidental Release Measures

In Case of Spill or Leak: Control the spill at its source. Contain the spill to prevent it from spreading, contaminating soil, or entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with water plus detergent. Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposal.

SECTION 7: Handling and Storage

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store with food or drink. Wash thoroughly with soap and water after handling. Signage is required on stores holding 1,000 litres or more. An emergency plan and secondary containment is required if more than 10,000 litres is stored. Store separately from substances in classes: 1,4,5, and 8 (acids). All aspects of storage and use must be in accordance with NZS 8409:2004 "Management of Agrichemicals".

SECTION 8: Exposure Control/Personal Protection

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Ingestion: Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material, Wash thoroughly with soap and water after handling.

Eye Contact: Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Skin Contact: Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical-resistant headgear.

Inhalation: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits.

SECTION 9: Physical and Chemical Properties

Appearance:	Orange coloured liquid
Odour:	Characteristic, sulphur
pH:	ca. 11.0
Boiling Point:	> 100 °C.
Flammable (Explosive) Limits:	Non flammable
Explosive Properties:	Not explosive
Oxidizing Properties:	Not an oxidizing agent
Vapour Pressure:	N/A
Relative density:	1.27 g/cm ³
Solubility:	Soluble in water

SECTION 10: Stability and Reactivity

Stability:	Stable
Materials to avoid:	Avoid mixing with acids, and oxidizing agents such as chlorine compounds, ammonium nitrate.
Hazardous Decomposition Products:	May be formed at high temperatures: may be toxic, flammable
Hazardous Polymerisation:	Will not occur

SECTION 11: Toxicological Information

LD ₅₀ Information (based on active ingredient)	
Oral	LD ₅₀ >5000 mg/kg
Dermal	LD ₅₀ >2000 mg/kg
Inhaled	LC ₅₀ >5 mg/L air (4 hour exposure rat)
Eye:	Irritant, may cause severe damage
Skin: -	Irritant
Sensitisation:	Skin - non-sensitiser
Mutagenicity:	Not a known mutagen
Reproductive Toxicity:	Not a known teratogen
Carcinogenicity:	Not a known carcinogen

SECTION 12: Environmental Information

Ecotoxicity	
Fish:	LC50 (96 hr) (Rainbow trout, Bluegill sunfish) >188 mg/l
Birds:	Acute Oral LD50 (Bobwhite quail) >5000 mg/kg
Bees:	Non-toxic

SECTION 13: Disposal Considerations

Triple rinse empty container and add rinseate to spray tank. Dispose of product containers, waste containers, and residues according to regional or local body bylaws.

SECTION 14: Transport Information

Not scheduled as Dangerous Goods for Transport Purposes

UN Number: None Allocated

UN Shipping Name: None Allocated

UN Classification: None Allocated

UN Packing Group: None Allocated

Do not carry on passenger service vehicles

SECTION 15: Regulatory Information

HORTCARE LIME SULPHUR is a registered product under the ACVM Act 1997 No. P8545

See www.foodsafety.govt.nz for registration conditions.

HORTCARE LIME SULPHUR is approved under the HSNO Act 1996 No HSR 000502

See www.epa.govt.nz for approval conditions

Note: The information contained herein is given in good faith, but no warranty, expressed or implied, is made. Consult Grosafe Chemicals Ltd. for further information.