

SAFETY DATA SHEET

HORTCARE™ KIWI STAINOFF LF

SECTION 1: Identification of the substance and supplier

Product name: HORTCARE KIWI STAINOFF LF
Recommended Use: Water Stain Remover for Kiwifruit

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:
Emergency Telephone Number: 0800 CHEMCALL (0800 243622)
(EMERGENCIES ONLY)

Date of Issue: June 2013

SECTION 2: Hazards Identification

HSNO Hazard Classification: 6.1E, harmful by ingestion, 8.2C Corrosive to skin, 8.3A Corrosive to eyes

SECTION 3: Composition/information on ingredients

<u>Ingredients</u>	<u>CAS Number</u>	<u>Content w/w</u>
Lactic acid	50-21-5	50 – 60 %
Mono sodium phosphate	7558-80-7	15 – 25 %
Non hazardous components	-	balance

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.

Advise to Doctor: No specific antidote is available. If poisoning is suspected apply symptomatic therapy. Contact Poisons Information Centre (0800 POISON (0800 764 766) for more information.

SECTION 5: Fire Fighting Measures

Extinguishing media:	Fine water spray or foam.
Unsuitable extinguishing media:	None
Special exposure hazards:	None
Protective clothing:	Wear full protective clothing and breathing apparatus
Fire and Explosive Properties:	May form hazardous decomposition products
Flammability:	Non-flammable
HAZCHEM Code:	2X

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. May be neutralized with lime. 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 original containers 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. Bunding is required if storing more than 10,000 litres.

SECTION 8: Exposure Control/Personal Protection

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND STORAGE 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:	Clear liquid
Odour:	mild, acidic
pH :	ca 1.8
Flammable (Explosive) Limits:	Non flammable
Explosive Properties:	Not explosive
Oxidizing Properties:	Not an oxidizing agent
Vapour Pressure:	N/A
Relative density:	N/A
Solubility:	Readily soluble in water

SECTION 10: Stability and Reactivity

Stability:	Stable
Conditions to avoid:	Do not store above 30 °C or below -10 ° C.
Materials to avoid:	N / A
Hazardous Decomposition Products:	May be formed at high temperatures
Hazardous Polymerisation:	Polymerises, but does not form more hazardous substances

SECTION 11: Toxicological Information

LD ₅₀ Information (based on active ingredient)	
Oral	LD ₅₀ 4875 mg/kg (mouse)
Oral	LD ₅₀ 3543 mg/kg (rat)
Dermal	LD ₅₀ >200 mg/kg (rabbit)

Irritation:	
Eye:	Draize test: Severe Irritant
Skin:	Draize test: Severe Irritant
Target organ effect:	N / D
Carcinogenicity:	Not a known carcinogen

SECTION 12: Environmental Information

Data for active ingredient

Degradation (biotic)::	Readily biodegradable
Bioaccumulation:	Log Pow: 0.62
Ecotoxicity	
Fish, acute toxicity:	96 hr-LC50: 320 mg / l (Brachydanio rerio) 96 hr-LC50: 320 mg / l (Lepomis macrochirus)
Daphnia, acute toxicity:	48 hr LC50: 240 mg / l
Algae, acute toxicity:	72 hr LC50: 3.5 mg / l (Selanestrum capricornutum)

SECTION 13: Disposal Considerations

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to regional or local body bylaws.

SECTION 14: Transport Information

Scheduled as Dangerous Goods for Transport Purposes

UN Number: 3265
UN Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC (lactic acid)
UN Classification: 8
UN Packing Group: III

SECTION 15: Regulatory Information

HORTCARE KIWI STAINOFF LF is approved under the HSNO Act 1996 (HSR00XXXX).
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.