



SAFETY DATA SHEET

HORTCARE™ BACTUR™

SECTION 1: Identification of the substance and supplier

Product name: HORTCARE BACTUR
Recommended Use: Biological insecticide

Company: Grosafe Chemicals Ltd.
Address: 20 Jean Batten Drive Mt Maunganui. (P.O. Box 144-50 Tauranga)
Email: info@grosafe.co.nz
Telephone Toll Free Number: 0800 820 002
Emergency Telephone Number: 0800 CHEMCALL (0800 243622)
(EMERGENCIES ONLY)

Date of Issue: March 2017

SECTION 2: Hazards Identification

HSNO Hazard Classification: 6.3B, skin irritant, 6.4A, eye irritant, 9.1D biocidal action against lepidopterous larvae (moths, butterflies).

SECTION 3: Composition/information on ingredients

<u>Ingredients</u>	<u>CAS Number</u>	<u>content</u>
Bacillus thuringiensis subspecies kurstaki (serotype 3a, 3b, strain HD 263)	68038-71-1	32,000 IU/ mg.
Non hazardous ingredients		q.s.

SECTION 4: First Aid Measures

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

Swallowed: 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: Unlikely.

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.
Special exposure hazards:	None
Fire and Explosive Properties:	Non flammable, low risk
HAZCHEM Code:	2[Z]

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. If spill does enter waterways contact the local authority. Clean up spills immediately, observing precautions outlined in Section 8. Place spilled product 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 and away from sources of heat or ignition. Do not store with food or drink. Wash thoroughly with soap and water after handling.

SECTION 8: Exposure Control/Personal Protection

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND TRANSPORT 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:	off-white/ grey granules
Odour:	slight
pH:	5.0 – 7.0 [1% suspension]
Flash Point:	non flammable
Bulk density:	ca. 70 g / 100 ml

SECTION 10: Stability and Reactivity

Stability:	Stable
Materials to avoid:	None
Hazardous Decomposition Products:	Bacterial culture will be reduced by high temperatures
Hazardous Polymerisation:	Will not occur

SECTION 11: Toxicological Information

The granular nature of Hortcare Bactur means that the opportunity for contact by skin, eye, or by inhalation is reduced.

Acute Toxicity:	Oral LD50 (rat) >5050 mg/kg
Acute Toxicity:	Dermal LD50 (rabbit) >2020 mg/kg

SECTION 12: Environmental Information

The activity of *Bacillus thuringiensis*, subspecies *kurstaki* [Btk] is specific to the larvae of lepidopterous insects

SECTION 13: Disposal Considerations

If possible use according to label recommendations. Dispose of product, and residues according to regional or local body bylaws.

CONTAINER DISPOSAL: Triple rinse and add rinseate to the spray tank. Burn if circumstances, especially wind direction, permit. Otherwise bury in a suitable land fill.

SECTION 14: Transport Information

Not scheduled as Dangerous Goods for road transport

SECTION 15: Regulatory Information

Registered pursuant to the ACVM Act 1997 no. P 5017
See www.foodsafety.govt.nz for registration conditions
Approved under the HSNO Act. Approval Code: HSR000711
See www.epa.govt.nz for approval conditions

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