



## SAFETY DATA SHEET

### APPROVE® 70 WP

#### SECTION 1: Identification of the substance and supplier

**Product name:** APPROVE™ 70 WP  
**Recommended Use:** Insecticide

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

**Date of Issue:** January 2017

#### SECTION 2: Hazards Identification

**HSNO Hazard Classification:** 8.3A may cause eye damage, 6.9B may cause organ damage from repeated oral exposure, 9.1A very toxic to aquatic organisms, 9.4A very toxic to terrestrial invertebrates.

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

Ingredients	CAS Number	content
tebufenozide	112410-23-8	700 g/kg
Non hazardous ingredients		q.s.

#### SECTION 4: First Aid Measures

**Inhalation** Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.

**Ingestion** Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.

**Skin** Immediately remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical advice.

**Eyes** Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.

**First Aid Facilities** Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

**Advice to Doctor:** Administer oxygen to relieve headache and weakness. Determine methemoglobin concentration of blood every 3 to 6 hours for first 24 hours. The treatment of toxic methemoglobinemia may include the administration of methylene blue. If methemoglobin is >10-20% consider methylene blue 1 – 2 mg/kg body weight as 1% solution IV over 5 minutes followed by 15 – 30 ml flush. Treatment should be directed at the control of symptoms and the clinical condition of the patient.

## SECTION 5: Fire Fighting Measures

Extinguishing Media      Water fog, foam, carbon dioxide or dry chemical.  
Choose extinguishing media to suit the burning material.  
Hazards                      Dust particles can become airborne.  
Protective Equipment      Full protective clothing and self - contained breathing apparatus.  
HAZCHEM:                    2X

## SECTION 6: Accidental Release Measures

Spills & Disposal              Wear protective clothing. Clear the area of unprotected personnel. Contain spill and absorb with sand, soil or absorbent granules. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill.

## 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 powder  
Odour:                            musty  
pH:                                 8.5 [ 1% dispersion in water ]  
Flash Point:                    non flammable  
Bulk density:                    0.2 – 0.3 g/ml  
Solubility in water:            dispersible

## SECTION 10: Stability and Reactivity

Stability: Stable  
Materials to avoid: Strong oxidizing agents  
Hazardous Polymerisation: Will not occur

## SECTION 11: Toxicological Information

**Diazinon is a cholinesterase inhibitor. Symptoms of poisoning include: weakness, headach, blurred vision, tightness of chest nausea, salivating, sweating, vomiting, diarrhoea and abdominal cramps.**

**Acute Toxicity:** Oral: LD50 (rat) >5000 mg/kg  
**Acute Toxicity:** Dermal: LD50 (rabbit) >5000 mg/kg  
**Acute Toxicity:** Inhalation: LD50 (rat) 4300– 4500 mg/m<sup>3</sup> 4h. [ tech.]

## SECTION 12: Environmental Information

Acute toxicity to birds: active ingredient

**Colinus virginianus:-** LD50: >2150 mg/kg b.w.

Acute toxicity: Fish:

**Lepomis macrochirus:** LC50: 3 mg/l - Duration: 96 hr static

**Salmo sp.:** LC50: 5.7 mg/l - Duration: 96 hr static

Daphnia: LC50: 3.8 mg/l (48 h.)

**Scenedesmus subspicatus:** ECb50: 0.23 mg/l - Duration: 96 hr

**Bees:** LD50 Contact: >234 µg/bee

Earthworms: LC50 : >1000 mg/kg soil - Duration : 14 days

( **Eisenia foetida** )-

## SECTION 13: Disposal Considerations

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

Container disposal: Burn if circumstances, especially wind direction, permit. Otherwise bury in a suitable land fill

## SECTION 14: Transport Information

UN Number: 3077

UN Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
( tebufenozide 70% )

Dangerous Goods Class: 9:

UN Packing Group: III

Marine Pollutant: yes

## SECTION 15: Regulatory Information

**Approve 70** is a registered product under the ACVM Act 1979 No. P 7767.

See [www.nzfsa.govt.nz/acvm/](http://www.nzfsa.govt.nz/acvm/) for registration conditions

**Approve 70** is approved under the HSNO Act 1996, (HSR001753)

See [www.epa.govt.nz](http://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.