

SAFETY DATA SHEET

ANNOUNCE® (emamectin)

SECTION 1: Identification of the substance and supplier

Product name: Announce
Recommended Use: Insecticide

Company: Grosafe Chemicals Ltd.
Address: 20, Jean Batten Drive, Mt Maunganui 3116 (P.O. Box 14-450 Tauranga)
Email: info@grosafe.co.nz
Telephone Toll Free Number: 0800 220 002
Emergency Telephone Number: 0800 CHEMCALL (0800 243622)
(EMERGENCIES ONLY)

Date of Issue: July 2016

SECTION 2: Hazards Identification

HSNO Hazard Classification: 6.1D (harmful by ingestion), 8.3A (Risk of eye corrosion), 6.5B (May cause sensitisation from prolonged skin contact), 6.9B (Repeated high doses may harm the peripheral or central nervous system), 9.1A (very toxic to aquatic organisms), 9.3B (Harmful to terrestrial vertebrates), 9.4A (very toxic to terrestrial invertebrates)

SECTION 3: Composition/information on ingredients

<u>Ingredients</u>	<u>CAS Number</u>	<u>Content</u>
emamectin benzoate	155569-91-8	~ 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. If irritation persists consult a doctor

Ingestion: Drink a glass of water. DO NOT induce vomiting. Call a doctor.

Inhalation: Move to fresh air. If symptoms develop call a doctor..

Advice to doctor : This product is believed to enhance GABA activity in animals. We suggest avoiding drugs that stimulate GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with suspected exposure to emamectin benzoate. Toxicity can be minimised by the early administration of chemical absorbents (activated charcoal). If the patient is vomiting, fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other supportive measures as indicated by clinical symptoms.

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

Flammable properties:	Combustible powder
Polymerisation:	Not expected
Hazardous Decomposition Products:	Irritating, possibly toxic gases may be generated during combustion
Special Fire Fighting procedures:	Evacuate personal 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
Extinguishing Media:	Water fog, foam, CO ₂ , or dry chemical extinguishers
HAZCHEM Code:	2 X

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.

Small Spill:	Sweep up and place in secure containers for disposal. If spill area is near trees or valuable plants remove the top 50 mm soil after product retrieval.
Large Spill:	Wear protective clothing and equipment (see Section 8). Stop further release of spilled material. Sweep up and place in secure containers for disposal. If spill area is near trees or valuable plants remove the top 50 mm soil after product retrieval. If further information is required, telephone Grosafe Chemicals Ltd. at (07) 579 0497.

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 kg 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

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.

SECTION 8: Exposure Control/Personal Protection (cont.d)

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:	White to tan granules
Bulk density:	ca. 0.75 @ 25 °C
Solubility in water:	Disperses
Corrosiveness:	Not corrosive
Oxidising properties:	Not an oxidiser
Flammability /combustibility:	Not flammable but will burn in a hot fire

See also Section 5 and 10

SECTION 10: Stability and Reactivity

Chemical Stability:	Stable under normal storage conditions
Materials to avoid:	None especially.
Hazardous Decomposition Products:	If product is involved in a fire irritant, possibly toxic gases may be emitted.
Hazardous polymerisation:	Not known to occur

SECTION 11: Toxicological Information

Health effects: See symptoms of Exposure in Section 4

ACUTE HEALTH EFFECTS

Acute Toxicity

Swallowed: MODERATE TOXICITY

Tests on rats indicate a moderate toxicity following single doses of the undiluted product. (LD50 = 1500 mg/kg.)

Dermal LOW TOXICITY

Tests on rats indicate a moderate toxicity due to skin contact with the undiluted product. (LD50 >2000 mg/kg)

Inhaled: LOW TOXICITY

Tests on rats indicate a slight toxicity due to inhalation of the undiluted product (LC50 (4 h) 6.28 mg/litre air)

Irritation

Eye: NON IRRITANT

Skin: NON IRRITANT (rabbits)

Skin Sensitisation: - (based on results of technical on guinea pigs) NON-SENSITISER

CHRONIC EFFECTS

No long term effects are expected if this material is handled and used according to the label directions. The active ingredient is not regarded as a carcinogen, mutagen or teratogen. Repeated ingestion of high doses may affect the peripheral or central nervous system.

SECTION 12: Environmental Information

ECOTOXICITY

LC50 (96 hrs) : Carp 6.8 mg / L
Oral LD50: Mallard Duck: 46 mg / kg.
Oral LD50: Bobwhite Quail: 264 mg / kg.
Daphnia magna: EC50 : 0.08 mg / L [48 hr exposure]
Bee, contact LD50: 0.0036 µg/ bee.

ENVIRONMENTAL FATE

Emamectin is not persistent, does not bioaccumulate. Half-life in water: 0.4 – 1.4 d, Half-life in soil: 0.33 – 2.6 d. Immobile in soil. Kow logP = 5.0 (pH 7)

SECTION 13: Disposal Considerations

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to regional or local body bylaws. See disposal instructions on label.

SECTION 14: Transport Information

UN Number: 3077
UN Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID
(CONTAINS EMAMECTIN BENZOATE 5 %)
MARINE POLLUTANT: yes
UN Packing Group: III
Hazchem Code: 2 X

SECTION 15: Regulatory Information

Announce is a registered product under the ACVM Act 1997 (P9053)
Announce is approved under the HSNO Act 1996 (HSR100581).

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.