

Exault™

Section 1: Identification of the Substance or Mixture and of the Supplier

Product name:	Exault
Recommended use:	Insect growth regulator for the control of Mealybugs, Scales, Froggatt's Apple Leafhopper and Whitefly.
Company details:	Grochem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
Telephone:	+64 4 237 0905
Email:	grochem@grochem.co.nz
Emergency telephone:	New Zealand 0800 CHEMCALL – 24 hours (0800 243 6225) Australia 1800 127 406 Other locations +64 3 353 0199 or The National Poisons Centre 0800 POISON (0800 764 766)
Date of preparation:	5 September 2012

Section 2: Hazards Identification

Hazard classification (Transport):	Not a Dangerous Good for transport
Hazardous substances (HSNO):	6.1E (WARNING: May be harmful if swallowed, in contact with skin or inhaled) 6.3B (WARNING: Causes mild skin irritation) 6.9B (WARNING: May cause damage to the liver from repeated oral exposure at high doses) 9.1D (Harmful to aquatic life)



Section 3: Composition/Information on Ingredients

Classification & type: Pure substance

Material	CAS No.	Proportion (%w)
Buprofezin	69327-76-0	44%
Non hazardous components		to 100%

Section 4: First Aid Measures

Symptoms of exposure:	No adverse health effects expected if the product is handled in accordance with this SDS and the product label. Symptoms that may arise if the product is mishandled are:
If Swallowed	May be harmful if swallowed.
If in Eyes	Harmful - may cause moderate eye irritation.
If on Skin	Causes mild skin irritation.
If Inhaled	Harmful – may cause irritation and congestion of the upper respiratory tract.
First aid actions:	Call a POISON CENTRE or doctor/physician if you feel unwell. If medical advice is needed, have product container or label at hand.
If Swallowed	Rinse mouth with water immediately. DO Not induce vomiting. Seek medical attention.
If in Eyes	Immediately flush with flowing water for at least 15 minutes. Seek medical attention if irritation persists.
If on Skin	Wash with plenty of soap and water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse. If skin irritation occurs, get medical advice/attention.
If Inhaled	If ill-effects occur, remove patient to fresh air. If ill-effects persist, consult a doctor.
Workplace facilities:	Emergency showers, eyewashes and general hygiene facilities must be available.
Notes for medical personnel:	No specific antidote. Treat symptomatically.

Section 5: Fire Fighting Measures

Type of hazard:	May decompose to form oxides of carbon, nitrogen and sulphur under fire conditions.
HAZCHEM code:	2Z
Combustion products:	Carbon dioxide, carbon monoxide, nitrogen oxides and sulphur dioxide.
Extinguishing media & methods:	Foam, carbon dioxide, dry chemical powder and water spray.
Recommended protective clothing:	Positive pressure, self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal protection:	See Section 8.3 for appropriate PPE.
Containment and clean up:	Clear area of unnecessary personnel. Spills may be slippery and should be cleaned up immediately. Contain the spill to prevent any further contamination of the soil, surface or ground water. Do not allow material to enter sewers or bodies of water. Large spills should be barricaded with inert material. Absorb with clay granules, sand or other absorbent material and sweep to a waste container. Dispose of safely in an approved landfill. Contact emergency services as required.
Special requirements:	See Section 13 for instructions for the disposal of waste/contaminated material.

Section 7: Handling and Storage

Subsection 1:	Handling
Handling practices	Wear appropriate PPE as detailed in Section 8.3. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Read label before use.
Subsection 2:	Storage
Site requirements	Keep out of reach of children. Store in closed original container in a cool, well ventilated area, out of direct sunlight, away from foodstuffs
Packaging	Store in closed original container.

Section 8: Exposure Controls/Personal Protection

Subsection 1:	Workplace Exposure Guidelines (may also be considered in section 2)
Workplace exposure standards	Not established.
Exposure Standards outside the workplace	Not established.
Subsection 2:	Engineering Controls
Exposure control measures	Use in a well ventilated area (general room ventilation is considered satisfactory).
Subsection 3:	Personal Protective Equipment (PPE)
Detail specifications for equipment	Wear goggles or face shield where splash may occur. Wear cotton overalls buttoned to the neck and wrists and chemical resistant gloves.
General hygiene	Always wash hands before eating and after work. Do not eat, drink or smoke while working with this product.

Section 9: Physical and Chemical Properties

Appearance	White viscous liquid	pH	6.8
Specific gravity (kg/L)	1.03 – 1.10	Boiling point (degC)	100°C
Solubility	Disperses in water	Freezing point (degC)	Not available
		Flashpoint (degC)	Not available

Section 10: Stability and Reactivity

Stability of substance:	Stable under recommended storage and handling conditions.
Conditions to avoid:	Avoid direct sunlight.
Material to avoid:	None.
Hazardous decomposition products:	Oxides of carbon, nitrogen and sulphur.
Hazardous polymerization:	None known.

Section 11: Toxicological Information**Data and Interpretation:**

Acute Oral:	Rat LD50 > 5000mg/kg (slightly toxic)
Acute Dermal:	Rat LD50 >2000mg/kg (moderately toxic)
Acute Inhalation:	Rat LD50 >2.2mg/L (4hr)
	See Section 2 for general hazard information.

Section 12: Ecological Information

Potential Environmental Interactions:	Considered non-toxic to avian species. Considered non-toxic to aquatic species at its limit of solubility, LC503.4 mg/L. Slightly harmful to bees.
Environmental risk phrases:	For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water through disposal of equipment wash waters.

Section 13: Disposal Considerations

Product disposal:	Triple rinse container and add rinsate to spray tank.
Container disposal:	Dispose of container at an approved landfill or recycle.

Section 14: Transport Information

UN Number:	N/A
DG Class and Subsidiary Group:	N/A
Proper shipping name:	Not classified as Dangerous Goods for Transport.
Packing group:	N/A
HAZCHEM code:	2Z
Special precautions:	Do not carry more than 10L on a passenger service vehicle.

Section 15: Regulatory Information

Regulatory status:

ACVM Registered pursuant to the ACVM Act 1997 No P8442.
See www.foodsafety.govt.nz for registration conditions.

HSNO Approved pursuant to the HSNO Act 1996, Approval Code HSR002487.
See www.epa.govt.nz for approval conditions.

HSNO Controls:

This product does not have Approved Handler, Tracking or Record Keeping requirements.

SDS	1L
Signage	10,000L
Emergency response plan	10,000L
Bunding	10,000L

Section 16: Other Information

Revision due: 5 September 2017

Additional information: Directions for use are found on the product label.

Glossary:

ACVM	Agricultural Compounds and Veterinary Medicines (in relation to Group or Act 1997)
CAS	Chemical Abstract Services Number, used to uniquely identify chemical compounds
HSNO	Hazardous Substances and New Organisms (legislation 1996)
LD50	Lethal Dose fatal to 50% of test animals/organisms
LC50	Lethal Concentration fatal to 50% of test animals/organisms
PPE	Personal Protective Equipment

This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it. Since the use of this information and the conditions of the use of this product are not under the control of GroChem, it is the user's responsibility to determine conditions of safe use of the product.