

## Comic®

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

<b>Product name:</b>	Comic®
<b>Other name:</b>	700g/kg tebufenozide
<b>Recommended use:</b>	Insecticide for codling moth and leafroller (not for use on cherries).
<b>Company details:</b>	GroChem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
<b>Telephone:</b>	+64 4 237 0905
<b>Email:</b>	grochem@grochem.co.nz
<b>Emergency telephone:</b>	New Zealand 0800 CHEMCALL – 24 hours (0800 243 6225)  Australia 1800 127 406 Other locations +64 4 917 9888  or The National Poisons Centre 0800 POISON (0800 764 766)
<b>Date of preparation:</b>	5 September 2017
	Read label and Safety Data Sheet before use

### Section 2: Hazards Identification

<b>Hazard classification (Transport):</b>	Class 9 Miscellaneous Dangerous Good
<b>Hazardous substances (HSNO):</b>	6.9B (WARNING: May cause organ damage through prolonged or repeat exposure) 9.1A (WARNING: Very toxic to aquatic life with long lasting effects) 9.4A (WARNING: Very toxic to terrestrial invertebrates)



### Section 3: Composition/Information on Ingredients

**Classification & type: Pure substance**

Material	CAS No.	Proportion (%w)
Tebufenozide	112410-23-8	70%
3,5-dimethylbenzoic acid 1-(1,1-dimethylethyl)-2-(4-ethylbenzoyl) hydrazide		
Other ingredients determined not to be hazardous		to 100%

### Section 4: First Aid Measures

<b>Symptoms of exposure:</b>	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 cause organ damage through prolonged or repeated exposure
If in Eyes	May cause minor irritation.
If on Skin	May cause very minor irritation or reddening of the skin.
If Inhaled	Dust may irritate respiratory tract.
<b>First aid actions:</b>	Get medical advice/attention if you feel unwell.
If Swallowed	Rinse mouth. DO NOT induce vomiting unless advised to do so by the POISON CENTRE or a doctor.
If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
If on Skin	Wash with soap and water.
If Inhaled	Move patient to fresh air. Call a POISON CENTRE or doctor/physician if you feel unwell.
<b>Workplace facilities:</b>	Eyewash and general hygiene facilities should be provided.
<b>Notes for medical personnel:</b>	Administer oxygen and monitor methemoglobin every 3-6 hours. Methemoglobin levels should return to normal after 24 hours. Pre-existing conditions sensitive to low levels of oxygen maybe aggravated. Treat symptoms as they occur.

### Section 5: Fire Fighting Measures

<b>Type of Hazard:</b>	Not flammable.
<b>HAZCHEM code:</b>	2X
<b>Combustion products:</b>	Unknown but expected to include oxides of nitrogen and carbon.
<b>Extinguishing media &amp; methods:</b>	Use media suitable to flammable material involved in any fire. Remain upwind and avoid breathing fumes. Contain runoff.
<b>Recommended protective clothing:</b>	Wear self-contained breathing apparatus.

## Section 6: Accidental Release Measures

<b>Personal protection:</b>	See Section 8.3 for appropriate PPE.
<b>Containment and clean up:</b>	Avoid touching or walking through material. Contain and collect spillage. Prevent product from entering waterways. Dispose of at an approved landfill in accordance with council rules.
<b>Special requirements:</b>	See Section 13 for instructions for the disposal of waste/contaminated material.

## Section 7: Handling and Storage

<b>Subsection 1:</b>	<b>Handling</b>
Handling practices	Wear appropriate PPE as detailed in Section 8.3. An approved handler is required to be in control of this substance when in use.
<b>Subsection 2:</b>	<b>Storage</b>
Site requirements	Store in a cool dry place away from foodstuffs.
Packaging	Sold in water soluble packaging. Keep dry and avoid conditions of high humidity.

## Section 8: Exposure Controls/Personal Protection

<b>Subsection 1:</b>	<b>Workplace Exposure Guidelines (may also be considered in section 2)</b>
Workplace exposure standards	TWA 1.3mg/m <sup>3</sup>
Exposure Standards outside the workplace	The Environmental Exposure Limit (EEL) has been set at 0.7mg/L for tebufenozide.
<b>Subsection 2:</b>	<b>Engineering Controls</b>
Exposure control measures	Use outdoors or in a well ventilated area.
<b>Subsection 3:</b>	<b>Personal Protective Equipment (PPE)</b>
Detail specifications for equipment	Use chemical goggles and PVC gloves. Avoid breathing dust mist or spray.
General hygiene	Always wash exposed skin before eating or drinking and after work.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Off white powder	<b>pH</b>	Approx 8.5 in water
<b>Odour</b>	Musty	<b>Boiling point (degC)</b>	N/A
<b>Specific gravity (kg/L)</b>	N/A	<b>Freezing point (degC)</b>	N/A
<b>Solubility</b>	Dispersible in water	<b>Flashpoint (degC)</b>	Not flammable

**Section 10: Stability and Reactivity**

<b>Stability of substance:</b>	Stable under normal circumstances.
<b>Conditions to avoid:</b>	Elevated dust levels can cause an explosion risk.
<b>Material to avoid:</b>	Avoid strong oxidisers.
<b>Hazardous decomposition products:</b>	Thermal decomposition (above 170degC) may yield isobutylene.
<b>Hazardous polymerization:</b>	Not known to occur.

**Section 11: Toxicological Information**

<b>Data and interpretation:</b>	May cause damage to blood system (including bone marrow and spleen), liver and kidney. See Section 2 for general hazard information.
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**Section 12: Ecological Information**

<b>Potential environmental interactions:</b>	Not readily biodegradable. LC50 saltwater mysid 1.4mg/L. EC50 Alga (growth inhibition) 0.23mg/L. Practically non-toxic to birds and bees.
<b>Environmental risk phrases:</b>	Very toxic to aquatic life with long lasting effects. Very toxic to terrestrial invertebrates.

**Section 13: Disposal Considerations**

<b>Product disposal:</b>	If use as per label direction is not possible return to supplier or dispose of at an appropriate disposal facility.
<b>Container disposal:</b>	Inner packaging is water soluble and disposed of in use. Dispose of outer packaging at an appropriate disposal facility.

**Section 14: Transport Information**

<b>UN number:</b>	3077
<b>DG class and subsidiary group:</b>	9
<b>Proper shipping name:</b>	Environmentally Hazardous Substance, Solid, NOS (tebufenozide)
<b>Packing group:</b>	III
<b>HAZCHEM code:</b>	2X

## Section 15: Regulatory Information

<b>Regulatory status:</b>	Register pursuant to the ACVM 1997, P7722. See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for approval information. Approved pursuant to the HSNO Act 1996, HSR007655. See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for approval conditions.
<b>HSNO Controls:</b>	Trigger quantities for this substance:
Approved Handler	When in use
Tracking	Not required
SDS must be available for	0.1kg
Signage	100kg
Emergency response plan	100kg

## Section 16: Other Information

<b>Revision due:</b>	5 September 2022.
<b>Additional information:</b>	Directions for use are found on the product label. Records are required to be kept whenever >3kg of this product is applied in a 24hr period.
<b>Glossary:</b>	
ACVM	Agricultural Compounds and Veterinary Medicines (in relation to Group or Act 1997)
CAS	Chemical Abstract Services Number, used to uniquely identify chemical compounds
EC50	Half maximal effective concentration
EEL	Environmental Exposure Limit
HSNO	Hazardous Substances and New Organisms (legislation 1996)
LC50	Lethal Concentration fatal to 50% of test animals/organisms
LD50	Lethal Dose to kill 50% of test animals/organisms
PPE	Personal Protective Equipment
TWA	Time Weighted Average

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.