



Section 1: Identification: Product identifier and chemical identity

Product Identifier:	CHOICE MERGE 200 SC INSECTICIDE
Other Means of Identification:	Agricultural insecticide and termiticide. Grow Choice product code number: 200 AVPMA registered number: 85082
Recommended Use:	Insecticide and termiticide for use as per the label directions.
Details of manufacturer or importer:	Grow Choice Pty Ltd ABN 36 161 264 884
Address:	113 Fitzroy Street TAMWORTH NSW 2340 AUSTRALIA
Website:	www.growchoice.com.au
Phone Number:	(02) 6766 3979
Emergency Phone Number:	24 hours - 1800 033 111

Section 2: Hazards identification

Emergency Overview:	Hazardous substance; non-dangerous goods; harmful to aquatic organisms.
Label elements:	READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Risk phrases:	R22 Harmful if swallowed.
Safety phrases:	S24 Avoid Contact with skin S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
Hazard Category AICS (Australia)	Listed on the Australian Inventory of Chemical Substances.
<u>Potential Health Effects</u>	
Eyes:	Irritating to the eyes.
Skin:	May cause slight irritation.
Ingestion:	May be slightly toxic based on acute animal studies. Symptoms of poisoning include apathy, muscular cramps, depressed muscular tone, respiratory difficulties and trembling.
Inhalation:	May be slightly toxic based on acute animal studies. Exact effects on humans are not known.
Primary Routes of Entry:	Eyes, Skin, Inhalation, Ingestion.
Target Organs:	Eyes, Skin, Respiratory Tract, Digestive System.
Carcinogenicity:	Not listed by NTP, IARC, ACGIH or OSHA as a carcinogen.

Section 3: Composition and information on ingredients

Chemical Nature	Liquid Suspension Concentrate	
Chemical Name	CAS No.	Concentration
Imidacloprid	138261-41-3	200g/L
Glycerin	56-81-5	115g/L
Other ingredients not considered to be hazardous		to 100%

Section 4: First aid measures

Description of Necessary First Aid Measures	<p>In case of poisoning by any exposure route contact a doctor or Poisons Information Centre on 131 126. Have the product label or SDS with you when calling or going for treatment.</p> <p>Inhalation: Remove affected person from site of exposure to fresh air until recovered. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Seek medical attention if symptoms persist.</p> <p>Skin contact: Remove any contaminated clothing. Wash affected areas immediately and thoroughly with soap and water.</p> <p>Eye contact: Flush eye(s) for 15 minutes or more- If irritation persists, consult a doctor (preferably an eye specialist) and show this SDS.</p> <p>Ingestion: Rinse mouth and then drink plenty of water. Do not induce vomiting. If swallowed seek medical advice and show this SDS.</p>
General advice:	Remove soiled or soaked / contaminated clothing immediately.
Information for Doctor:	Imidacloprid belongs to the chloronicotinyl chemical group. Therapeutic measures include basic aid, decontamination and symptomatic treatment. Gastric lavage, saline laxatives or activated charcoal may prove beneficial. There is no known antidote.

Section 5: Fire fighting measures

Suitable Extinguishing Equipment:	Foam, carbon dioxide, dry powder, water spray.
By-products in case of fire:	<p>In the event of a fire the following can be released:</p> <ul style="list-style-type: none">- Carbon monoxide, nitrous oxide, hydrogen chloride & hydrogen cyanide
Further Information:	Keep unnecessary persons away from the area. If safe to do so, remove intact containers, otherwise use water spray to cool them. Collect contaminated firefighting water separately, by bunding the area with sand or earth. Fire control water must not be discharged into drains.
Special protective equipment for Firefighters:	As in any fire, water, self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective clothing.

Section 6: Accidental release measures

Methods for cleaning up or taking up:	<p>Spills: Dealing with spills has the potential to increase the risk of personal exposure- during such operations, ensure that protective clothing is worn as detailed below. Avoid contact with spilled material or contaminated surfaces. Keep people and animals away. Prevent spillage from entering drains, sewers or watercourses. If contamination thereof is unavoidable, warn the local water authority. Spills should be contained and absorbed with soil, sand, sawdust, clay, cat litter or other similar material, and once absorption is complete, this material then be placed in sealable, labelled, drums for safe disposal in an approved landfill, and in accordance with the requirements of local or State Waste Management Authorities. Alternatively, bury under at least 500_{mm} of soil in an area away from crops, pastures, homes or water sources. To decontaminate spill area, tools and equipment, wash with a suitable solution, e.g. organic solvent, detergent, bleach or caustic, and add this material to the drums of waste already collected. Label all contents. Do not burn empty containers or product.</p>
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Section 7: Handling and storage

Advice on Safe Handling:	Keep out of reach of children. Avoid contact with eyes and skin. Wash hands after use, and before smoking or eating / drinking. Wash protective gear and clothing after each day's use.
Protection against fire and explosion	Not flammable- no special measures required.
Storage information:	Keep product in the original container, tightly closed, in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.

Section 8: Exposure controls and personal protection

Components	CAS-No.	Basis	Type	Value
Glycerin mist	56-81-5	NOHSC	TWA	10 mg/m3

General protective measures:	Avoid contact with eyes and skin. Do not inhale mists.
Hygiene Measures:	No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift. Protective ointment is recommended.
Respiratory protection:	In case of formation of mists or vapours, an organic vapour cartridge respirator should be used.
Hand protection:	Elbow length PVC gloves should be worn when using this product.
Eye protection:	Safety goggles and/or face shield is recommended when using this product.
Protective clothing:	Cotton overalls buttoned to the neck and wrist, and a washable hat, are required when using this product.
Engineering Controls:	Use in a well ventilated area only. Good general (mechanical) ventilation should be sufficient to control airborne mist levels.

Section 9: Physical and chemical properties

Appearance:	White/beige liquid suspension concentrate	pH:	7.0 - 8.5 at 25°C
Odour:	Slight characteristic odour	Viscosity, dynamic:	Not measured
Auto ignition temperature:	Not applicable	Specific gravity (H₂O=1):	Approx. 1.10 at 20°C
Flash Point:	None up to 100°C	Vapour pressure:	4 x 10 ⁻⁷ mPa @ 20°C
Explosive Properties:	Not applicable	Solubility in water:	Miscible with water
Melting temperature:	Not measured	Boiling temperature:	Not measured

Section 10: Stability and reactivity

Conditions to avoid:	None with proper storage and handling, other than extreme heat.
Thermal decomposition:	Not measured, although if involved in a fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrous oxides can be expected.
Hazardous reactions:	No hazardous reactions with proper storage and handling.
Hazardous polymerisation:	Unlikely to occur.

Stability: Stable under normal conditions of storage and use.
Hazardous decomposition products: None with proper storage and handling.

Section 11: Toxicological information

Acute oral toxicity: LD₅₀ (rat) 1218 – 1684 mg/kg approx.
Acute inhalation toxicity: LC₅₀ (rat) >2.238mg/L exposure time 4h method
Acute dermal toxicity: LD₅₀ (rat) >4000mg/kg
Skin irritation: (Species - rabbit) non - irritant
Eye irritation: (Species - rabbit) slight irritant
Skin sensitisation: (Species - guinea pig) non-sensitising
Note: harmful by inhalation and in contact with skin
 Irritant to skin
 Risk of serious damage to eyes
 The toxicological data refer to the undiluted 100% product.

Section 12: Ecological information

Ecotoxicity Effects:
Acute toxicity - Fish: LC₅₀ for rainbow trout is 211 mg/L
Acute toxicity - Daphniae: EC₅₀ for daphnia magna is 85 mg/L
Acute Toxicity – Algae: EC₅₀ for green algae is >100 mg/L
Acute Toxicity – Birds: LD₅₀ for Japanese Quail is 31 mg/Kg
Further ecological information:
Ecological notes: This product is considered to be a water pollutant. It is classified as immobile in soil and is not expected to leach. Do not discharge product unmonitored into the environment. The ecotoxicological data refer to the undiluted 100% product.

Section 13: Disposal considerations

ALWAYS DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Product Disposal: In accordance with local authority regulations, take to special waste incineration plant.
Container Disposal: Dispose of empty, used containers by triple rinsing, or preferably pressure rinsing. Add the rinsate to the spray tank or dispose of the rinsate in a disposal pit away from desirable plants and their roots and from watercourses. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return cleaned containers to a recycler or designated collection point. If not recycling, break, crush or puncture empty containers and bury in a local authority landfill. If no landfill available, bury the containers at least 500_{mm} deep in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Section 14: Transport information

Hazard class:	N/A	Packing group:	III
UN number:	N/A	Subsidiary risk:	N/A
Hazchem Code:	None allocated	EPG:	N/A
Storage and transport:	Considered non-dangerous goods for transports by the Australian Code for the Transport of Dangerous Goods by Road and Rail.		

Section 15: Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 5

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994

Australian Pesticides and Veterinary Medicines Authority approval number: 85082

SUSMP classification (Poison Schedule)

Schedule 5 (Standard for the Uniform Scheduling of Medicines and Poisons)

Section 16: Any other relevant information

Date of preparation or last revision: July 2018

Source of Data: The information provided in this SDS is sourced from Grow Choice internal studies which have been conducted according to Regulatory requirements including OECD and CIPAC Guidelines and EC Directives. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

Note: This product is a registered agricultural chemical and must, therefore, be used in accordance with the container label directions

CONTACT POINT: Grow Choice Pty Ltd

(02) 6766 3979

24 HOUR EMERGENCY CONTACT: 1800 033 111

This Material Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Grow Choice's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Grow Choice shall have no liability.

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