



SAFETY DATA SHEET

FREEZONE FENITROTHION INSECTICIDE APVMA Approval No. 67186

SECTION 1. IDENTIFICATION

Product name: FREEZONE FENITROTHION INSECTICIDE APVMA Approval No. 67186

Recommended Use: Agricultural insecticide for use as described on the product label.

Restrictions on Use: None specified.

Supplier of SDS: Freezone Public Health Pty Ltd

Supplier Address: 18 Gilpin Street
Shorncliffe QLD 4017

Supplier Phone: 07 3869 4436

Supplier Fax: 07 3869 4433

Supplier Email: info@freezone.net.au

Emergency Telephone Number: Craig Jephcott 0412 200 252
Poisons Information Centre 13 11 26

SECTION 2. HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

Acute toxicity (Category 4)

Serious eye damage / eye irritation (Category 1)

Acute aquatic toxicity (not classified)

Chronic aquatic toxicity (not classified)

Signal Word Danger

Label Elements and Precautionary Statements

Hazard Pictograms: Exclamation Mark Corrosion Environment



FREEZONE FENITROTHION INSECTICIDE APVMA Approval No. 67186

Hazard Statements:	H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled. H318 Causes serious eye damage. H410 Very toxic to aquatic life with long lasting effects.
Precautionary Statements:	P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/ physician. P321 Specific treatment (see medical advice on this label). P330 Rinse mouth. P362+P364 Take off contaminated clothing and wash before reuse. P391 Collect spillage. P501 Dispose of contents/ container in accordance with national regulations.

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

FENITROTHION contains 80% CAS number: 122-14-5 EC number: 204-524-2	Classification Acute toxicity (Category 4) Serious eye damage / eye irritation (Category 1) Acute aquatic toxicity (not classified) Chronic aquatic toxicity (not classified)
Solvent naphtha (petroleum), heavy arom. contains 5-10% CAS number: 64742-94-5	Classification n/a

2-methylpropan-1-ol contains 1-5% CAS number: 78-83-1	Classification n/a
---	------------------------------

Full text for all hazard statements is contained in Section 16.

SECTION 4. FIRST AID MEASURES**First aid measures**

General information	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.
Skin contact	It is important to remove the substance from the skin immediately. Remove contamination with soap and water or recognised skin cleansing agent. Get medical attention.
Eye contact	Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Headache. Exhaustion and weakness.
Ingestion	Harmful if swallowed.
Skin contact	Harmful in contact with skin.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
Notes for the doctor	Treat symptomatically. Atropine sulfate is recommended for acute poisoning as treatment strategy

SECTION 5. FIREFIGHTING MEASURES**Extinguishing media**

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up. This product is toxic.
Hazardous combustion	Thermal decomposition or combustion products may include the following

substances: Toxic gases or vapours.

Special protective equipment and precautions for firefighters

Firefighting precautions	Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Protective equipment	Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.
Hazchem Code	3X

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Avoid inhalation of dust and vapours. Use suitable respiratory protection if ventilation is inadequate. Avoid contact with skin and eyes.
Environmental precautions	Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.
Clean up methods	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Provide adequate ventilation. If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. The contaminated absorbent may pose the same hazard as the spilled material. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

SECTION 7. HANDLING AND STORAGE

Precautions for handling	Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.
Storage precautions	Store away from incompatible materials (see Section 10). Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure controls

Ventilation	This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.
Eye Protection	Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. If inhalation hazards exist, a full-face respirator may be required instead.
Hand Protection	Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with Australia/New Zealand Standard AS/NZS 2161. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended
Skin Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
Respirator	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure Control	Keep container tightly sealed when not in use. Avoid release to the environment.

The following Australian Standards will provide general advice regarding safety clothing and equipment

Respiratory equipment: AS/NZS 1715
 Protective Gloves: AS 2161
 Industrial Clothing: AS2919
 Industrial Eye Protection: AS1336 and AS/NZS 1337
 Occupational Protective Footwear: AS/NZS2210

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Oily liquid
Colour	Red-brown colour.
Odour	Sulfurous odour.
Odour threshold	No information available.
pH	pH (concentrated solution): 3 - 7
Melting point	No specific data. Liquid at normal temperatures.
Boiling point	No information available
Flash point	No information available
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	1.25 - 1.30
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.

Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	No information available.
Oxidising properties	Does not meet the criteria for classification as oxidising.

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Reactivity	See the other subsections of this section for further details.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Incompatible materials	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) The oral LD₅₀ for Fenitrothion in rats is 800 mg/kg,

Acute toxicity - dermal

Notes (dermal LD₅₀) The dermal LD₅₀ for Fenitrothion in rats is 1110 mg/kg,

Acute toxicity - inhalation

Notes (inhalation LC₅₀) The inhalation LC₅₀ for Fenitrothion in rats is >2.21 dust/mist mg/l.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation

Causes serious eye damage. Eye Dam. 1

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity- development	Based on available data the classification criteria are not met.
Specific target organ toxicity	
STOT- single exposure	No data available.
STOT- repeated exposure	STOT RE 1 - H372 Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.
General information	
Inhalation	A single exposure may cause the following adverse effects: Headache. Exhaustion and weakness.
Ingestion	Harmful if swallowed.
Skin contact	Harmful in contact with skin.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
Route of entry	Inhalation, ingestion, skin contact or eye contact.
Target organs	None known.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	Dangerous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.
Toxicity	Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.
Acute toxicity - aquatic invertebrates	LC50, 48 hour: 0.0086 mg/l, Daphnia magna.
Chronic toxicity - aquatic invertebrates	LC50, 96 hours: 0.000087 mg/l, Daphnia magna.
Persistence and degradability	No data available.
Partition coefficient	No information available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

General information	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.
Disposal of packaging	Do not empty into drains. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14. TRANSPORT INFORMATION

General	Classified as dangerous in the meaning of Road/Rail (ADG), Sea (INDG) and Air (ICAO/IATA) transport regulations.
UN Number	3018
UN proper shipping name	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC (Fenitrothion)
Transport hazard class(es)	6.1
Packing group	III
Hazchem code	3X

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

SECTION 16. OTHER INFORMATION

Revision date	30/11/2021
Revision	9
Supersedes date	31/12/16

FREEZONE FENITROTHION INSECTICIDE APVMA Approval No. 67186

Complete hazard statements

H302 Harmful if swallowed.
H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled. H312 Harmful in contact with skin.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H372 Causes damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.