

# Material Safety Data Sheet

## 1. IDENTIFICATION

Product Name: Tonizone Australia's Own POW Surface Spray Insecticide  
Pack Size: 200g & 400g  
Supplier Code: 302003

**APVMA Registration No: 64517**

UN Number: 1950  
Proper Shipping Name: Aerosols

Supplier: Multi-Fill Pty. Ltd.  
A.C.N.: 053 439 080  
Street Address: 14 Garling Rd.  
Kings Park, 2148  
NSW Australia

**For :** Pacific Products  
Unit1/16 Garling Rd  
Kings Park 2148 NSW

Telephone: +61 2 9621 6000  
Facsimile: +61 2 9831 2635

Emergency Telephone Number: No emergency telephone number available.

## 2. HAZARDS IDENTIFICATION

### HAZARDOUS AND DANGEROUS ACCORDING TO THE CRITERIA OF NOHSC and ADGC

The product is classified as Dangerous Goods Class 2.1, by the criteria of the Australian **Dangerous** Goods Code for transport by road and rail.

**Hazardous** according to the criteria of NOHSC

R12 Extremely flammable  
R38 Irritating to skin  
R41 Risk of serious eye damage  
R65: May cause lung damage if swallowed (highly unlikely in an aerosol form)  
R66: Repeated exposure may cause skin dryness or cracking.

S02 Keep out of the reach of children  
S03 Keep in a cool place  
S15 Keep away from heat  
S16 Keep away from sources of ignition - No smoking  
S21 When using do not smoke  
S23 Do not breathe gas/fumes/vapour/spray  
S24 Avoid contact with skin  
S25 Avoid contact with eyes  
S26: In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. Phone 13 11 26.  
S47 Keep at temperature below 50 ° C  
S62: If swallowed do **NOT** induce vomiting, seek medical advice immediately (contact a doctor or Poisons Information Centre. Phone 13 11 26) and show this container or label.  
S63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportion (%w/w)
Paraffinic, naphthenic Hydrocarbon	64742-48-9	60-80
Permethrin	52645-53-1	<0.5
D-allethrin	584-79-2	<0.5
Propane/Butane	74-98-6/106-97-8	20-40
Non-hazardous Substances	-	<10

### 4. FIRST AID MEASURES

**Skin:** Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

**Eyes:** Irrigate with copious amounts of water for 15 minutes. In all cases of eye contamination, it is recommended to seek medical advice.

**Inhalation:** Remove victim from exposure – avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing is laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through facemask. If breathing has stopped, apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek medical advice.

**Ingestion:** Give a little water to drink. If swallowed do **NOT** induce vomiting, seek medical advice immediately (contact a doctor or Poisons Information Centre. Phone 13 11 26) and show this container or label... Avoid giving milks, oils or alcohol. Seek medical advice

**Facilities:** Eye Wash Station

Advice to doctor – treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**Specific hazards:** Aerosol cans may rupture or explode when exposed to temperatures above 50°C. Propellant is extremely flammable and heavier than air. Do not allow vapours to build up in pits or hollows.

**Fire fighting further advice:** Fight fire from protected position or use unmanned hose holders or monitor nozzles. If safe to do so, move undamaged containers away from fire area. Do not approach hot containers. Cool containers with water before handling. If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn

Fire-fighters to wear self-contained breathing apparatus (SCBA) and protective gloves. Structural fire-fighter's uniform provides limited protection.

**Suitable extinguishing media:** For small fires use water spray, dry chemical or carbon dioxide  
For large fires use water spray or fog

**Additional Information:** The product is a **UN1950** and has a **HAZCHEM CODE : 2YE**

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:** Eliminate all sources of ignition. Contain spill for disposal. Add absorbent (sand, earth, sawdust, etc.) to spill area. Keep out of drains and waterways. Dispose of adsorbed material at an approved disposal site according to local government regulations. Ventilate confined spaces well.

**Methods and materials for containment and cleanup:** Add absorbent (sand, earth, sawdust, etc.) to spill area. Keep out of drains and waterways. Dispose of adsorbed material at an approved disposal site according to local government regulations. Ventilate confined spaces well.

## 7. HANDLING AND STORAGE

**Storage:** Store away from oxidising agents. Do not store above 50°C. Do **NOT** allow cartons to become wet. Classified as Class 2.1(Aerosols) for the purpose of storage and handling, in accordance with the requirements of AS 2278. Refer to State and Territory Dangerous Goods regulations.

**Handling:**

**Label states:** "Use this product only as directed"

**PRECAUTION:** Do not spray directly on humans, exposed food or food utensils. Remove or cover fish tanks before use. Do not contaminate ponds, waterways or ditches with the chemical or container. Wash hand after use. **KEEP OUT OF REACH OF CHILDREN.**

Pressurised dispenser. Do not use near fire or flame. No Smoking. Do not puncture or incinerate can, even when empty. Store in a cool place out of the sun. Store below 50°C. Keep spray away from eyes.

Beware: Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.  
r use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### National occupational exposure limits

The assigned value for this product is TWA 1200 mg/cubic meter (171ppm) as per MSDS for Solvent. Propane is an Asphyxiant. Butane TWA is 800 ppm.

**Biological limit values:** not applicable

### Engineering measures

Use explosion proof equipment. Use only in a well ventilated area. Do **NOT** use near naked flames. Do **NOT** use near ignition sources.

### Personal Protection

At all times protect skin and eyes and avoid direct contact with eyes. In a work environment wear gloves. Avoid breathing odour in an industrial area and where the exposure standard is exceeded use a supplied air facemask or a self contained breathing apparatus complying with AS1715 and AS1716

### Flammability Extremely Flammable

Use in well ventilated areas. Do **NOT** use near ignition sources.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Use:** For Spraying on surfaces has a residual insect killing properties for crawling insects

**Appearance:** Dispenses as an aerosol spray into a fine spray with a slight lemon odour

**Flashpoint:** -62°C

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<b>Flammability Limits:</b>	9.6% (upper) 1.9% (lower)
<b>Boiling Point (°C):</b>	Not Applicable
<b>Solubility in Water:</b>	Insoluble
<b>Pressure (25°C):</b>	450 – 550kPa
<b>Specific Gravity:</b>	Aerosol no SG applicable the liquid part is 0.80g/mL
<b>pH:</b>	not applicable

## 10. STABILITY AND REACTIVITY

Propellant can react with oxidising agents – chlorine, pool chlorine and nitric acid. Store away from oxygen cylinders, oxidising materials and ignition sources.

Product is stable in the aerosol all of the product is contained within the aerosol

### Conditions to avoid:

EXTREMELY FLAMMABLE. KEEP OUT OF REACH OF CHILDREN. PRESSURISED DISPENSER. USE IN A WELL VENTILATED AREA. DO NOT INHALE MIST. AVOID CONTACT WITH SKIN. PROTECT FROM SUNLIGHT AND DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 °C. DO NOT PIERCE OR BURN CAN, EVEN AFTER USE. DO NOT SPRAY ON NAKED FLAME OR ANY INCANDESCENT MATERIAL. KEEP AWAY FROM SOURCES OF IGNITION – NO SMOKING.

### Incompatible materials:

Propellant can react with oxidising agents – chlorine, pool chlorine and nitric acid. Store away from oxygen cylinders, oxidising materials and ignition sources.

### Hazardous decomposition materials:

No information available

### Hazardous reactions:

Propellant can react with oxidising agents – chlorine, pool chlorine and nitric acid. Store away from oxygen cylinders, oxidising materials and ignition sources.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected if the product is handled in accordance with this Safety Data sheet and product label.

**Label states:** “Use this product Only as Directed.

**PRECAUTION:** Do not spray directly on humans, exposed food or food utensils. Remove or cover fish tanks before use. Harmful to fish. Do not contaminate ponds, waterways or ditches with the chemical or container. Wash hand after use. KEEP OUT OF REACH OF CHILDREN.

Pressurised dispenser. Do not use near fire or flame. No Smoking. Do not puncture or incinerate can, even when empty. Store in a cool place out of the sun. Store below 50°C. Keep spray away from eyes.

Beware: Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

### Acute Effects

**Skin contact:** Contact with skin may result in irritation

**Eye contact:** An eye irritant

**Inhalation:** Vapour is a mild irritant. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of coordination and impaired judgement.

**Ingestion:** Ingestion can result in nausea, vomiting and diarrhoea.

**Chronic Effects;**

No chronic systemic effects reported from industrial exposures.  
Carcinogenicity, Mutigenicity, Teratogenicity: No Known effect.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Avoid contaminating waterways, product is harmful to aquatic organisms and the environment, no specific information is available

**Persistence and degradability:** expected to readily be biodegradable

**Mobility:** floats on water  
Absorbs in soil and has low mobility

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods, including disposal of containers:** Aerosols should be completely empty before disposing. Recycle can if a facility is available or place can in household rubbish.

**Special precautions for landfill or incineration:** Aerosol must be completely empty, do not pierce or burn even after use.

## 14. TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code for transport by Road and Rail.

UN Number: 1950  
UN Proper Shipping Name: Aerosols  
Class and Subsidiary Risk: 2.1  
Packing Group: None allocated  
Hazchem Code: 2YE

Do not allow cartons to become wet. Do not store above 50°C.

**Special precautions for user: Special provisions** 63 (Division 2.1 Extremely Flammable), 190 Aerosol dispensers must be provided with protection against inadvertent discharge, , 327 Leaking or severely deformed aerosols must be transported in salvage packagings provided appropriate measures are taken to ensure there is no dangerous build up of pressure. Waste aerosols must not be transported in closed freight container

## 15. REGULATORY INFORMATION

**Poisons schedule No:** not applicable

**Other regulations:** ADGC 7 Australian Dangerous Goods Code No. 7 for road and rail

**Hazard Classification:** DANGEROUS GOODS, HAZARDOUS SUBSTANCE

According to the criteria of NOHSC and ADG

**APVMA Registration Number:** 64517/200g/1109

## 16. OTHER INFORMATION

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of this product. Although this information is presented in good faith and compiled from various sources, (for example and where applicable from Raw material MSDS, List of material compiled by the Australian Government Hazardous Substance Information System, Standard for the Uniform Scheduling of Drugs and Poisons, Australian Dangerous Goods Code for Road and Rail, Australian Pesticides and Veterinary Medicine labelling code for Agricultural Products, Environmental Risk Management Authority (ERMA) New Zealand Group Code Standards for Aerosols NZ, Food Standards Australia and New Zealand labelling and other Information Requirements), believed to be accurate. Multi-Fill Pty Ltd makes no representations or warranty as to the completeness or accuracy thereof. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

**CONTACT POINT:** Multi-Fill Pty Ltd  
Technical Manager  
(02) 9621 6000

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**PREPARED BY:** Keith Hunt  
**END OF MSDS**

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