

# MATERIAL SAFETY DATA SHEET

## Company Details

<b>Farmoz Pty Ltd</b> , Suite 2, Edgecliff Court 2 New McLean St, Edgecliff, NSW 2027 ACN 050 328 973	Telephone (02) 9363 3611 (24 hours) Fax (02) 9363 5977
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Not classified as hazardous according to criteria of Worksafe Australia

## I IDENTIFICATION

Product Name: Farmoz Prometryne Flowable Herbicide

Other Names: None

Product Code: None

UN No: None allocated.

Hazchem Code: None allocated.

Dangerous Goods Class: None allocated.

Sub Risk Class: No Subsidiary Risk.

Packaging Group: None allocated.

EPG: None allocated.

Poison Schedule: S5

Product Type: Flowable herbicide.

Chemical Family: Substituted triazine derivative.

Uses: Controls certain broadleaved weeds in cotton, sunflower and peanut crops.

### *Physical appearance & Properties:*

Appearance & Odour: White to beige liquid. No odour.

Melting/softening point: Liquid at normal temperatures. Expected to solidify below 0°C

Boiling point and vapour pressure: Approx 100°C, 100kPa

Volatile materials: Water component.

Flashpoint: Does not burn.

Specific gravity: 1.10-1.13 (20°C)

Solubility in water: Forms suspensions.

Corrosiveness: Not corrosive.

### Ingredients:

Chemical entity	CAS No	Proportion %	Worksafe Exposure Limits	
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>
Ethylene Glycol	107-21-1	10	60 (vapour)	not set
Prometryne	7287-19-6	50	not set	not set
Water and non hazardous surfactants	7732-18-5	to 100	not set	not set

This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

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## II HEALTH HAZARD DATA

### *Health Effects:*

No specific data is available for the product for chronic exposure symptoms. This product is not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995). Prometryne technical has been extensively tested on laboratory animals and in test tube systems. No evidence of mutagenic, carcinogenic, teratogenic or reproductive defects were obtained. Animal studies have shown that long term repeated exposure to ethylene glycol in the diet causes kidney damage. Birth defects were observed when ethylene glycol was administered to rats and mice at high doses. No such effects were observed at low doses, so these findings are not considered relevant for the normal use of this product.

### *Acute Effects:*

No case of human poisoning on record.

Swallowed: Data suggests that the product should be considered to be not harmful by ingestion.

Eye: Data suggests that this product should be classified as non irritating to the eyes.

Skin: Data suggests that the product should be classified as slightly irritating to the skin.

Inhalation: Data suggests that the product should be considered to be non irritating and non toxic by inhalation.

Primary route of exposure is inhalation and skin and eye contact. Swallowing is unlikely under normal conditions of use. Skin uptake of significant amounts of the active ingredient does not occur. This product is diluted with water to use as a spray. This diluted form is less toxic by all exposure routes.

Prometryne LD<sub>50</sub> Oral (Rat) > 5000mg/kg

### *First Aid:*

Swallowed: If swallowed, and if more than 15 minutes from a hospital induce vomiting, preferably using Ipecac Syrup APF

Eye: If this product comes into contact with eyes, hold eyes open and wash with running water. Ensure irrigation under eyelids by occasionally lifting eyelids. Do not attempt to remove contact lenses unless trained. Transport to hospital or doctor immediately if eye irritation develops.

Skin: If this product comes into contact with skin, wash skin with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again. Transport to hospital or doctor if skin irritation develops.

Inhalation: If mists or combustion products are inhaled, remove to fresh air. Lay victim down & keep warm and rested. If breathing is shallow, or has stopped, ensure clear airway and apply resuscitation or oxygen if available. Transport to hospital or doctor immediately.

Advice to doctor: Treat symptomatically. Note the nature of this product.

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## III PRECAUTIONS FOR USE

### ***Exposure Standards:***

A TWA value of 60 (vapour) and a STEL value of not set has been established for a significant ingredient of this product. Values expressed as mg/m<sup>3</sup>. Exposure values at the STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. Exposure values at the TWA (Time Weighted Average) means the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.

See ingredients section on page 1 of this data sheet.

### ***Engineering Controls:***

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

### ***Personal Protection:***

Respiratory Protection: A face mask or respirator may be used when the product is being used in dusty or confined areas. Otherwise it is usually safe to not use respiratory protection. However, there may be other circumstances where use of a mask or other device is preferred. Use judgement. For help in selecting suitable equipment consult AS/NZS 1715.

Protective Gloves: Rubber, PVC or other protective gloves should be used, especially if product is being used frequently or for lengthy periods. For help in selecting suitable gloves consult AS 2161.

Eye Protection: Eye protective measures are not normally necessary, but are suggested when using this product. Consult AS 1336 and AS/NZS 1337 for information about eye protection.

Clothing: Clean overalls should be worn, preferably with an apron. Consult AS 2919 for advice on Industrial Clothing.

Safety Boots: Wearing safety boots would be advisory. Consult AS/NZS 2210 for advice on Occupational Protective Footwear.

Flammability Limits: Upper: Not flammable, Lower: Not flammable

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

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## IV SAFE HANDLING INFORMATION

### *Storage & Transport:*

No special requirements storage and transport requirements. This material has no UN Classification. This material is classed as a S5 Poison. Observe appropriate state regulations for storage, transport and sale. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure the material does not come into contact with water or acids.

### *Spills and disposals:*

In event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including face mask, face shield and gauntlets. Stop leak if safe to do so, and contain spill. Absorb onto vermiculite or other absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. After spills, wash area, preventing runoff from entering drains. If material enters drains, advise emergency services. This material may be suitable for approved landfill. Dispose of only in compliance with local, state and federal regulations. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Launder all contaminated clothing before re-use.

### *Fire/Explosion Hazard:*

There is no explosion hazard from this material under normal circumstances.

Flashpoint: Does not burn.

Extinguishing Media: Use media suited to burning material.

Special Fire fighting procedures: Wear full protective clothing including face mask, face shield and gauntlets.

Unusual fire & Explosion hazards: Decomposition products are toxic and corrosive. There is little or no chance of an explosion from this product if involved in a fire.

Stability: Stable.

Polymerisation: Will not polymerise.

Decomposition Products: carbon dioxide, carbon monoxide, nitrogen oxides, oxides of sulfur, water.

Materials to avoid: Strong acids, strong alkalis, strong oxidising agents.

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## V OTHER INFORMATION

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

### Contact Points:

Call Farmoz on (02)9363 3611 Fax: (02)9363 5977

Ask for Russel Brown, Technical Manager.

**Police and Fire Brigade:**

**Dial 000**

**If ineffective:**

**Dial Poisons Information Centre**

**(13 1126 from anywhere in Australia)**

The information contained in this Material Safety Data Sheet is provided in good faith and is believed to be correct at the date hereof. However, it is expected that individuals receiving the information will exercise their independent judgement in determining its appropriateness for a particular purpose. Farmoz Pty Ltd makes no representation as to the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability whatsoever, whether with respect to negligence or otherwise, for any loss or damage arising from or connection with the supply or use of the information in this Material Safety Data Sheet.

Please read all labels carefully before using product.

Prepared by Kilford & Kilford Pty Ltd, March, 1998

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***Acknowledgments:***

Collated by HerbiGuide. Phone 08 98444064 for more information.