

MATERIAL SAFETY DATA SHEET

Company Details

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Hazardous according to criteria of Worksafe Australia.

I IDENTIFICATION

Product Name: Farmoz Showdown 375

Other Names: Proper Shipping Name is "CARBAMATE PESTICIDES, LIQUID, TOXIC, N.O.S."

UN No: 2992

Hazchem Code: 2X

Dangerous Goods Class: 6.1 : Toxic Substances.

Sub Risk Class: No Subsidiary Risk.

Packaging Group: III

EPG: 6A1

Poison Schedule: S6

Product Type: Suspension concentrate of pesticide.

Chemical Family: Water based suspension of carbamate pesticide.

Uses: Controls heliothis in various agricultural crops.

Physical appearance & Properties:

Appearance & Odour: Viscous white liquid. Mild odour.

Melting/softening point: No data. Liquid at normal temperatures.

Boiling point and vapour pressure: No data. Expected to be about 100°C, 100kPa

Volatile materials: Water component.

Flashpoint: Does not burn.

Specific gravity: No data. Expected to be about 1.0

Solubility in water: Forms stable suspensions in water.

Corrosiveness: Not corrosive.

Ingredients:

Chemical entity	CAS No	%	Worksafe Exposure Limits		
			Proportion	TWA	STEL
			mg/m ³	mg/m ³	
Thiodicarb	59669-26-0	37.5	not set	not set	
Other non hazardous ingredients	secret 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.

II HEALTH HAZARD DATA

Health Effects:

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

Acute Effects:

Poisonous if absorbed by skin contact, inhaled or swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale spray mist.

Swallowed: Data suggests that the product should be considered to be toxic by ingestion. May cause severe problems if immediate treatment is not sought.

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

Skin: Data suggests that the product should be classified as harmful by skin absorption.

Inhalation: Data suggests that the product should be considered to be harmful by inhalation. Inhalation may result in poisoning.

Primary route of exposure is inhalation and skin and eye contact.

The following figures relate to Thiodicarb, the active ingredient in the product.

LD₅₀ Oral figures: (Rat) 66mg/kg (in water), 120mg/kg (in corn oil); (Dog) >800mg/kg; (Monkey) >467mg/kg.

Acute percutaneous LD₅₀ (Rabbit) >2000mg/kg

First Aid:

If poisoning occurs, contact a Doctor or Poisons Information Centre.

If swallowed, give one atropine tablet every 5 minutes until dryness of the mouth occurs - if poisoned by skin absorption or through lungs, remove any contaminated clothing, wash skin thoroughly and give atropine tablets as above. Get to a doctor or hospital quickly.

Eye: If this product comes into contact with eyes, hold open and wash with running water. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained.

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.

Inhalation: If mists, dusts 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.

III PRECAUTIONS FOR USE

Risk Phrases are: R25. Combination Risk Phrases are: R20/21.

Toxic if swallowed. Harmful by inhalation and in contact with skin.

Exposure Standards:

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the significant ingredients in this product. There is a blanket recommendation of 10mg/m³ for inspirable dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use. See ingredients section on page **Error!**

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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:

Obtain an emergency supply of atropine tablets 0.6mg. When opening the container and preparing spray and using the prepared spray, wear elbow length PVC gloves, face shield, impervious footwear and half-face respirator with combined dust and gas cartridge or canister. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, respirator or face piece and contaminated clothing.

Flammability Limits: Does not burn.

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

IV SAFE HANDLING INFORMATION

Safety Phrases are: S20. Combination Safety Phrases are: S36/37/39.

When using, do not eat or drink. Wear suitable protective clothing, gloves and eye/face protection.

Storage & Transport:

This material is classed as UN 2992, Class 6.1 : Toxic Substances. Not to be transported with Classes 1 (Explosives), 3 (Flammable Liquids) (nb nitromethane only), 5.1 (Oxidising Agents) (nb when substance is capable of being ignited and burning), 5.2 (Organic Peroxides) (again when substance is capable of being ignited and burning), 6.1 (Toxic Substances), 7 (Radioactive Substances), 8 (Corrosives) (nb when Class 6 is a cyanide and Class 8 an acid), foodstuff and foodstuff empties.

This material is classed as a S6 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. Call Fire Brigade or emergency services. Wear full protective clothing including self contained breathing apparatus. 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. Recycle containers wherever possible. 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 self contained breathing apparatus.

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

Stability: Stable.

Polymerisation: Will not polymerise.

Decomposition Products: carbon dioxide, carbon monoxide and smoke (if combustion is incomplete), nitrogen oxides, oxides of sulfur, water. Likely to decompose only after heating to dryness, followed by further strong heating.

Materials to avoid: strong acids, strong bases, strong oxidising agents.

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)

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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.