

Mystic

1. Identification of the substance/mixture and supplier

Product Name	Mystic
Recommended Uses	Reodorant, Air freshener
Supplier Street address	Damar Industries Limited Eastgate Business Park 800 Te Ngae Road Rotorua
Telephone Number	(0800) 33 44 75
Facsimile	(07) 345 6019
Emergency Telephone	0800 CHEMCALL (24 hours) 0800 243 622

2. Hazards Identification

Dangerous goods	Classified as a Dangerous Good according to NZS 5433:2007 Transport of Dangerous Goods on Land.
Hazardous Substances	Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.
HSNO Classification	3.1C (flammable liquid, medium hazard) 6.4A (irritating to eyes) 9.1D (slightly harmful to the aquatic environment)
Hazard Statements	Flammable liquid and vapour. Causes eye irritation. May cause long lasting harmful effects to aquatic life.
Precautionary Statements	Read label before use. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear eye protection. Wash hands thoroughly after handling. Store in a well-ventilated place. Keep cool. Avoid release to the environment. In case of fire: Use alcohol resistant foam, water spray or fog, dry chemical powder, carbon dioxide for extinction.

3. Composition/Information on Ingredients

Contents	CAS Number	Proportion
Ethanol	64-17-5	20-40%
Fragrance	--	2-10%
Benzalkonium chloride	8001-54-5	<0.5%
Nonionic surfactant	--	<0.5%
Green Dye	--	<0.01%
Water	7732-18-5	To 100%

4. First Aid Measures

Contact the National Poisons Information Centre (Phone 0800 764 766) or a doctor if exposed, concerned or you feel unwell. Have product container or label at hand.

Swallowed	Do <u>NOT</u> induce vomiting. Rinse mouth with water. Give water to drink to achieve dilution. Call the National Poisons Information Centre or doctor if you feel unwell.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.
Skin Contact	Remove/take off immediately all contaminated clothing and wash before reuse. Rinse skin with water. If skin irritation occurs get medical attention.
Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing. Call the National Poisons Information Centre or doctor if you feel unwell.
Advice to Doctor	Keep patient under observation and treat symptomatically. Refer to National Poisons and Hazardous Chemicals Information Centre 0800 764 766

5. Fire-fighting Measures

Specific Hazard	Flammable liquid. May form flammable mixtures with air. Burning can produce carbon monoxide and/or carbon dioxide.
Suitable Extinguishing Media	Alcohol resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use water jets.
Fire-fighting advice	On burning will emit toxic fumes, including those of oxides of carbon. Fire fighters to wear self contained breathing apparatus and suitable protective equipment if risk of exposure to vapour or products of combustion. Heating can cause expansion or decomposition which can lead to the containers exploding.
Special Fire Precautions	Wear full protective clothing and self-contaminated breathing apparatus.
Hazchem Code	3[Y]

6. Accidental Release Measures

Shut off leaks, if possible without personal risk. Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. NO SMOKING, avoid sparks. Evacuate the area of all non-essential personnel. Clean-up personnel should wear full protective clothing. Prevent liquid from entering sewers, watercourses, or low areas. Advise local emergency services if substance has entered a watercourse or sewer or has contaminated soil or vegetation. Take measures to minimise the effect on groundwater.

If the spill is large contain spill with sand, earth or vermiculite, and collect recoverable material into labelled containers. Put leaking containers in a labelled drum or over drum. Absorb with sand, earth, vermiculite or other inert material. Under no circumstance should saw dust or any other combustible material be used. Shovel up and place in a labelled, sealable container for subsequent safe disposal. Flush contaminated area with plenty of water. Retain washings as contaminated waste. Do not wash material down the drain or sewer.

7. Handling and Storage

Handling advice	Before use carefully read product label. Avoid skin and eye contact and breathing in vapours. All sources of possible ignition must be eliminated. Wear impervious gloves and safety glasses when handling bulk quantities. DO NOT eat drink or smoke when handling. Always wash hands with soap and water after use. Take precautionary measures against static discharge. Use only non sparking tools and explosion-proof electrical equipment.
Storage advice	Store in a cool dry place and out of direct sunlight. Store away from foodstuffs. Store away from heat and sources of ignition. Store away from oxidising agents and acids. Keep out of reach of children. Keep containers closed when not in use-check regularly for leaks.

8. Exposure Controls/Personal Protection

Workplace Exposure Guidelines

No value assigned to this specific material by the New Zealand Occupational Safety and Health Service (OSH).

However, exposure standards for constituents:

Ethyl alcohol: WES-TWA: 1000ppm, 1880 mg/m³

As published by the New Zealand Occupational Safety and Health Service (OSH).

WES - TWA (Workplace Exposure Standard - Time Weighted Average) - The eight-hour, time-weighted average exposure standard is designed to protect the worker from the effects of long-term exposure.

These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering Controls

Natural ventilation should be adequate under normal use conditions. Ensure ventilation is adequate to maintain air concentrations below exposure limits. Use exhaust ventilation or wear a respirator if necessary. Keep containers closed when not in use.

Personal Protective Equipment

Wear chemical goggles if eye contact is likely. Wear PVC or rubber gloves where repeated or prolonged contact is likely or contact with broken or sensitive skin is possible. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. Physical and Chemical properties

Appearance	Clear, green liquid
Odour	Characteristic odour
Solubility	Miscible with water
Specific Gravity	0.95 approx (20°C)
Flash Point (°C)	36 °C (Tag open cup)
pH	Not available
Melting Point	Not available
Boiling Point	78 °C

10. Stability and Reactivity

Stability	Product is stable under directed conditions of use, storage and temperature. May evolve toxic fumes when heated to decomposition
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Reactivity

Reactivity Keep away from heat, sources of ignition and open flames. Incompatible with oxidising agents and acids

11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this safety data sheet and the product label. Symptoms that may arise if the product is mishandled or overexposure occurs are:

Swallowed	Slightly toxic if swallowed. Irritation of mouth. Large oral doses may cause signs of intoxication including dizziness, narcosis (drunkenness) and coma in severe cases.
Eye Contact	Irritant to eyes, by vapour and liquid contact.
Skin Contact	Not expected to be a health hazard from skin exposure. Repeated or prolonged contact may lead to mild irritation and may have a degreasing effect on skin.
Inhaled	Harmful by inhalation. Vapour and mists are moderately irritating to mucous membranes and respiratory tract.
Long Term Effects	Repeated or prolonged exposure by inhalation or ingestion to ethanol based product may cause damage to the liver
Toxicological Data	No data available for product, However for constituents Ethanol: Acute Oral LD ₅₀ (rat): 7060 mg/kg Acute inhalation LC ₅₀ (rat): 38mg/L (10 hour) Skin (rabbit): Mild irritant

12. Ecotoxicological information

Avoid contaminating waterways. Ethanol has a low potential for bioaccumulation and is substantially biodegradable in water.

Aquatic toxicity	No data available for product, However for constituent ethanol: LC ₅₀ /96-hour values for fish are over 11,200 mg/L EC ₅₀ (9 day): 9.6 mg/L (Crustacea (Daphnia magna))
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13. Disposal

Recycle wherever possible. Whatever cannot be saved for recovery or recycling should be sent to an approved waste disposal contractor for disposal in an approved waste facility. Advise flammable nature. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with local authority requirements. Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local regulations. This product is NOT for disposal by either landfill or via municipal sewers, drains, natural streams or rivers.

Special Precautions for land fill or incineration: The product is considered to be a hazardous waste because of its flammability. If feasible, recycle. Otherwise, dispose of by burning in an approved incinerator. Take care in igniting as product and residues are flammable. In all cases, disposal should be in accordance with regulations. Emptied containers retain vapour and product residue and may therefore present explosive and irritant vapour hazards. Drain container and allow it to dry with ventilation to remove liquid and vapour. Observe all safeguards on label and in this SDS until container is cleaned, reconditioned or destroyed. **DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER.** In all cases disposal should be in accordance with regulations.

14. Transport information

Transport of Dangerous Goods Pictogram:



Road and Rail Transport

Classified as a Dangerous Good according to NZS 5433:2007 Transport of Dangerous Goods on Land.

UN No	1993
Class-primary	3, Flammable
Packing Group	III
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S (contains ethanol)
Hazchem Code	3[Y]

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No	1993
Class-primary	3, Flammable
Packing Group	III
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S (contains ethanol)

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No	1993
Class-primary	3, Flammable
Packing Group	III
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S (contains ethanol)

15. Regulatory Information

ERMA (NZ) Approval code	HSR002528
Group Standard	Cleaning Products (Flammable) Group Standard 2006
HSNO Classification	3.1C (flammable liquid, medium hazard) 6.4A (irritating to eyes) 9.1D (slightly harmful to the aquatic environment)
HSNO Controls	Trigger quantities for this substance by itself in a "place": Approved Handler: <i>requirement not triggered</i> Secured when unattended: <i>requirement not triggered</i> Tracking: <i>requirement not triggered</i>
	Transit depot requirements: (a) for closed containers: 500 Litres (when in containers greater than 5 L) 1500 Litres (when in containers up to and including 5 L) (b) for open containers or when in use: 250 Litres (all container sizes)

Hazardous substance location:

- (a) for closed containers:
 - 500 Litres (when in containers greater than 5 L)
 - 1500 Litres (when in containers up to and including 5 L)
- (b) for open containers or when in use:
 - 250 Litres (all container sizes)

Hazardous atmosphere zone:

- 100 L (closed)
- 25 L (decanting)
- 5 L (open occasionally)
- 1 L (if in open container for continuous use)

Child Resistant Packaging: requirement if offered for sale in a package that is less than 2.5L

(Not applicable if the offer for sale is made in a place of work where children do not have access and the substance is for use in that place of work)

Emergency Management

Level 1 information:	0.1 Litre
Level 2 documentation:	5 Litres
Level 3 requirements:	1000 Litres
Emergency response plan:	1000 Litres
Workplace signage:	1000 Litres
Fire extinguishers:	500 Litres (2 extinguishers are required)

GHS Pictogram: No pictogram

For more information refer to the ERMA website: www.ermanz.govt.nz

16. Other information

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. The User is responsible to evaluate all available information when using the product for any particular use and to comply with all the current legislation.