



Company: Donaghys Industries Ltd
 Address: 2 Nazareth Ave, PO Box 20 449, Christchurch
 Telephone Number: 0800 942 006
 Email: enquiries@donaghys.co.nz
 Emergency Telephone Number (24/7): National Poisons Centre 0800 POISON (764 766)

Hazards Identification

Hazardous Nature: Hazardous according to ERMA NZ and NOHSC Australia (flammability, pressurized container).
 UN Number: UN 1950
 Other Names: Proper shipping name is AEROSOLS
 Dangerous Good Class: 2.1 (Flammable gases)
 Subsidiary Risk: None allocated.
 Poisons Schedule: None allocated.
 Hazchem Code: 2YE
 Use: Stockmarker
 Packaging Group: None allocated.

Physical Description/Properties

Appearance: Coloured spray.
 Boiling Point: No specific data. Liquid at normal temperature.
 Can pressure, kPa: 300-600
 Vapour Density, (Air = 1): >1
 Flashpoint, °C: < 0 (Hydrocarbon propellant)
 Solubility in water: Insoluble

Hazardous Ingredients

	CAS Number	Proportion, %	WES TWA, mg/m3	WES STEL, mg/m3
Heptanes (Paraffinic HC Solvent)	64742-89-8	10-30	1600 (Supplier)	Not established
Ethanol	64-17-5	<1	1880	Not established
Butane	106-97-8	30-60	1900	Not established
Propane	74-98-6	10-30	Simple Asphyxiant	Not established

Health Hazard Information

Health Effects No specific data is available for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document *Exposure Standards for Atmospheric contaminants in the Occupational Environment* (NZ), nor in NOHSC's *List of Designated Hazardous Substances* (Aus).



Acute Effects

Swallowed: Unlikely to occur in normal use. Toxicity is low. May cause nausea, abdominal discomfort as liquid expands to gas, causing belching. May cause significant localised cooling in mouth, throat and stomach.

Eye: No effects in normal use. Direct contact may cause mild transient discomfort.

Skin: No effects in normal use. Direct contact may cause slight irritation in sensitive individuals.

Inhaled: No effects in normal use with adequate ventilation. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

First Aid

Swallowed: Do not induce vomiting! Give 1 to 2 glasses of water to dilute. If vomiting occurs, keep victim's head below hips to prevent aspiration into the lungs. Get prompt medical attention.

Eye: Flush eye with water for 15 minutes. Seek medical advice immediately.

Skin: Wash with warm water and soap. Seek medical advice if irritation occurs.

Inhaled: Remove to fresh air, administer artificial respiration if needed. Seek medical attention.

First Aid Facilities: No special requirement.

Advice to Doctor: Treat symptomatically. Aspiration hazard. May cause chemical pneumonitis.

Precautions for Use

Exposure Standards: The WES TWA is the average airborne concentration when calculated over a normal 8 hour working day for a 5 day working week. Values are from Worksafe NZ *Exposure Standards*. Refer ingredients section.

Engineering Controls: For normal use, general room ventilation is adequate. In confined spaces or high use areas, maintain adequate ventilation by suitable extraction or wear a respirator.

Personal Protection

Respiratory: No special requirements under normal use. If WES TWA is exceeded, wear an organic vapour respirator.

Skin: No special requirements under normal use. Avoid direct contact with skin.

Eyes: No special requirements under normal use. Avoid direct contact with eyes.

Safe Handling Information

Flammability: Highly flammable. Do not use near naked flame or sources of ignition. May form explosive mixtures with air in confined spaces. Vapour is heavier than air and may collect in hollows.

Storage and Transport: This product is classed as UN1950, Dangerous Goods Class 2.1 Flammable Gases. Proper shipping name is AEROSOLS.

Class 2.1 should not be loaded on the same vehicle as Classes 1, 3 (where both are in bulk), 4, 5, and 7. They may be loaded with Classes 3, 6, 8, 9, Foodstuffs and foodstuff empties. Keep from extreme heat and open flames. Ensure material does not come in contact with "Materials to avoid" below.



Spills and Disposal:	For a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area. Call the Fire Brigade. Wear overalls, goggles and gloves. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable 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. Dispose of only in accord with all regulations.
Fire/Explosion Hazard:	This product is classified as a C1 combustible product. Containers may rupture or explode in heat of fire. Firefighters should take appropriate precautions.
Flashpoint, °C:	< 0 (Hydrocarbon propellant)
Flammability Limits:	Upper Value: 9.5%, Lower Value: 1.2%
Extinguishing Media:	Foam, carbon dioxide, dry chemical or water fog. Do not use Water Jet. Water fog is preferred medium.
Firefighting Procedure:	Fight fire from maximum distance or protected area. Keep containers cool with water spray. Use water spray to disperse vapour. Protect personnel against bursting containers. Breathing apparatus is recommended for firefighters. Ensure that no spillage enters drains or water courses.
Unusual Hazards:	Fire decomposition products from this product may form toxic mixtures in confined spaces. Vapours are heavier than air and may accumulate in low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.
Stability:	Will not spontaneously decompose.
Polymerisation:	Will not spontaneously polymerise.
Decomposition Products:	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water.
Materials to Avoid:	Strong oxidising agents.

Other Information

Prepared in accordance with the *National Code of Practice for the Preparation of Material Safety Data Sheets* [NOHSC:2011 (2003)].

LD50 (Acute Oral Toxicity):	Estimated to be greater than 5 g/kg.
Ecotoxicity:	Not established.

Contact Information

New Zealand Police and Fire Brigade	Dial	111
New Zealand Poisons Information Centre	Dial	0800 764 766 (0800 POISON)
Australian Police and Fire Brigade:	Dial	000 If ineffective: Dial 1100 (Exchange)
Australia - For emergency response:	Dial	1800 243 500
Australian Poisons Information Centre:	Dial	13 1126 (from anywhere in Australia).

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IN CASE OF EMERGENCY PHONE

National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)

Ver: 0610