

**Section 1 – Identification of the substance/preparation and the company**

Product Name: Donaghys Dairy Mark
Company: Donaghys Ltd
Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch
Telephone Number: 0800 942 006
Manufacturer: ASTVDMX
Product Code:
Recommended Use: Application is by spray atomisation from hand held aerosol pack.

Section 2 – Hazard Identification**Hazard Classes:**

Aerosol Category 1
Eye irritation Category 2
Hazardous to the aquatic environment chronic Category 2

Hazard Statements:

Extremely Flammable aerosol
Causes serious eye irritation.
Toxic to aquatic life with long lasting effects.
May be harmful if swallowed.
Causes mild skin irritation.

Prevention Statements:

Keep out of reach of Children.
Read Label before use.
Keep away from heat / sparks / open flames and hot surfaces.
Do not spray on an open flame or other ignition source.
Pressurised container: Do not pierce or burn, even after use.
Wash hands thoroughly after handling.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.

Signal Word:

DANGER

EPA NZ Approval Code:

HSR002515

Section 3 – Composition Information

Chemical Entity	CAS No.	Content
Propellant: Propane / n-Butane / Iso-Butane	74-98-6 / 106-97-8 / 75-28-5	20-30%
Heptane	142-82-5	40-45%
Calcium Carbonate	1317-65-3	5-10%
Acetone	67-64-1	1-3%
Ethyl Alcohol	64-17-5	1-3%
Crystalline Silica (quartz)	14808-60-7	<1%

IN CASE OF EMERGENCY PHONE

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



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Section 4 – First Aid Measures

- If Swallowed:** DO NOT induce vomiting. Rinse mouth. Avoid giving milk, oils or alcohol to drink. If unwell get medical advice/attention.
- If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- If on skin:** Wash with plenty of soap and water. Wash contaminated clothing before reuse.
- If inhaled:** Remove to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist get medical advice / attention.
- Advice to Doctor;** For acute or short term repeated exposures to xylene:
- Gastro-intestinal absorption is significant with ingestions. For ingestions exceeding 1-2 ml (xylene)/kg, intubation and lavage with cuffed endotracheal tube is recommended. The use of charcoal and cathartics is equivocal.
- Pulmonary Absorption is rapid with about 60-65% retained at rest.

If exposed or if you feel unwell: Call the POISON CENTRE or contact a doctor/physician. If medical advice is needed, have product container or label at hand.

Section 5 – Fire-fighting Measures

- Hazard:** Liquid and vapour are highly flammable. Severe fire hazard when exposed to heat or flame. Contains low boiling point substance: Closed containers may rupture due to pressure buildup under fire conditions.
- Combustion Products:** Combustion products include: Carbon monoxide (CO), Carbon Dioxide (CO₂), and other pyrolysis products typical of burning organic material.
- Protective Equipment:** Breathing apparatus and protective gloves and clothing.
- Extinguishing Media:** SMALL FIRE: Water spray, dry chemical or CO₂
LARGE FIRE: Water spray or fog, Foam, and Dry chemical powder.
- Special Fire Fighting Methods:** Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive. When any large container (including road and rail tankers) is involved in a fire. Consider evacuation by 100 metres in all directions.

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Section 6 – Accidental Release Measures

Spills and Disposal:

MINOR SPILLS:

Environmental Hazard – contain spillage
- Immediately clean up all spills

MAJOR SPILLS:

Environmental hazard – contain spillage
- Clear area of personnel and move upwind
- Alert fire Brigade and tell them location and nature of hazard
- Remove leaking cylinders to safe place.
- Fit vent pipes; Release pressure under safe, controlled conditions. DO NOT exert excessive pressure on valve; DO NOT attempt to operate damaged valve
- Clear area of personnel and move upwind.

Protective Equipment:

Personal Protective equipment advice is contained in Section 8 of this MSDS

Environmental Precautions:

Avoid entry into waterways or streams. Prevent washings from entering waterways.

Section 7– Handling and Storage

Storage:

- Aerosol dispenser.
- Protect from sunlight.
- DO NOT expose to temperatures exceeding 50°C
- Check that containers are clearly labelled.
- Avoid reaction with oxidising agents.
- Keep dry to avoid corrosion of cans. Corrosion may result in container perforation and internal pressure may eject contents of can.
- Store in original containers in approved flammable liquid storage area.
- DO NOT store in pits, depressions, basements or areas where vapours may be trapped.

Handling:

- Do NOT cut, drill, grind, weld or perform similar operations on or near containers.
- DO NOT allow clothing wet with material to stay in contact with skin.
- Electrostatic discharge may be generated during pumping - this may result in fire.
- Ensure electrical continuity by bonding and grounding (earthing) all equipment. Natural gases contain a contaminant, radon-222, a naturally occurring radioactive gas. During subsequent processing, radon tends to concentrate in liquefied petroleum streams and in product streams having similar boiling points.
- Atmospheres must be tested and O.K. before work resumes after leakage.
- Avoid generation of static electricity. Earth all lines and equipment.
- Obtain a work permit before attempting any repairs.
- Do not attempt repair work on lines, vessels under pressure.
- DO NOT transfer gas from one cylinder to another.
- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs

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Section 8 – Exposure Controls/Personal Protection

These precautions are suggested for conditions where the potential for exposure to the product exists. Emergency conditions may require additional precautions.

Exposure Limits: Toluene TWA = 50 ppm = 188 mg/m³
Dibutyl phthalate TWA = 5 mg/m³
LPG TWA = 1000 ppm = 1800 mg/m³

Protective Equipment: **Recommended Respirator:** Type AX-P Filter of sufficient capacity
Eye protection: No special equipment for minor exposure i.e when handling small quantities
Hands/Feet: NOTE: NOTE: The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact. Suitability and durability of glove type is dependent on usage. Factors such as, frequency and duration of contact, chemical resistance of glove material. No special equipment needed when handling small quantities.

OTHERWISE: For potentially moderate exposures:
Wear general protective gloves. The clothing worn by process operators insulated from earth may develop static charges far higher (up to 100 times) than the minimum ignition energies for various flammable gas-air mixtures. This holds true for a wide range of clothing materials including cotton. OTHERWISE:
· Overalls.
· Skin cleansing cream.

Hygiene Precautions: Do not eat, drink, or smoke when using this product.

Engineering Controls: General exhaust is adequate under normal conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection.

Section 9 – Physical and Chemical Properties

Appearance: Gas
Odour: Hydrocarbon odour
Specific gravity: 0.77 – 0.82
pH: N/A
Vapour pressure: N/A
Flash point: -81 °C (propellant)
Autoignition Temperature: N/A
Flammability Limits: N/A
Solubility: Product is immiscible in water.



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Section 10 – Stability and Reactivity

Stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to Avoid: Avoid direct sunlight, heat and open flames.

Materials to Avoid: N/A

Hazardous Decomposition Products: None if stored and handled correctly.

Section 11 – Toxicological Information

No adverse health effects expected in the product is handled in accordance with this safety Data Sheet and the product label.

Potential Health effects: Acute Health effects:
Vapours may cause dizziness or suffocation.
Vapours may cause drowsiness and dizziness.
Inhalation, skin contact and/or by prolonged exposure through inhalation.
ingestion may produce health damage*.
Possible skin sensitiser*.
May produce discomfort of the eyes, respiratory tract and skin*.

CHRONIC HEALTH EFFECTS

May cause harm to the unborn child
Harmful: danger of serious damage to health
Limited evidence of a carcinogenic effect*.
Cumulative effects may result following exposure*.

* (limited evidence).

Toxicity and Irritation: Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type.

Section 12 - Ecological Information

EPA Classification: Hazardous to the aquatic environment chronic Category 2
Ecotoxicity: Harmful to the aquatic environment.
Bioaccumulation: Product is not known to be persistent nor bioaccumulative.

Section 13 – Disposal Considerations

Product Disposal: If possible dispose of by using according to the label, otherwise dispose of in an approved landfill or bury below 50 cm in a disposal pit specifically marked and set up for this purpose clear of waterways.

Container Disposal: Triple rinse container and add residue to spray system. If circumstances, especially wind direction, permit the empty containers may be burned, otherwise crush and bury in a suitable landfill.

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Section 14 – Transport Information

Proper Shipping	AEROSOLS
Name:	Donaghys Dairy Mark
UN Number:	1950
DG Class:	2.1
Subsidiary Risk Class:	None assigned
Packing Group:	None assigned
HAZCHEM Code:	2YE

Section 15 – Regulatory Information

ERMA NZ Registration	HSR002515
Code:	See http://www.epa.govt.nz for approval conditions
NZFSA Approval	Not applicable.
Number:	

Section 16 – Other Information

The information in this MSDS is provided in good faith, but no warranty, expressed or implied is made. Contact Donaghys Ltd for more information.

EMERGENCY CONTACTS:

DONAGHYS NZ: 0800 942 006

DONAGHYS AUSTRALIA: 1800 644 404

POLICE, AMBULANCE & FIRE SERVICE: 111

NATION POISON INFORMATION CENTRE: 0800 POISON (0800 764 766) HAZARDOUS

SUBSTANCES EMERGENCY: 0800 CHEMCALL (0800 243 622)

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