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

Product Name: AGTAG

Manufacturer: Donaghys Ltd.

Address: 16 Sheffield Crescent
PO Box 20 449
Christchurch

Telephone Number: +64 983 4100 (or 0800 942 006 in New Zealand)

Importer: AIRR Pty Ltd
74-76 Drummond Road
Shepparton VIC 3630
AUSTRALIA
Phone: 03 5821 0922

Recommended Use: Aerosol dairy cow tail paint, udder marker, general purpose dairy stock marker.

Section 2 – Hazard Identification

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

GHS label elements
Hazard pictograms



Signal word: DANGER

Hazard statements: H223 Flammable aerosol.
H303 May be harmful if swallowed
H316 Causes mild skin irritation
H319 Causes serious eye irritation
H411 Toxic to aquatic life with long lasting effects

Precautionary statements:

Prevention:
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P263 Avoid breathing mist, fumes or aerosol.
P264 Wash hands thoroughly after use.
P273 Avoid release to the environment.
P280 Wear protective gloves, clothing and eye protection when in use.

Response:
P391 Collect spillage.

POISON INFORMATION CENTRE:
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Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
Store in a well ventilated place.

EPA NZ Approval Code:

HSR002515
Aerosols (Flammable) Group Standard 2020

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%

Section 4 – First Aid Measures

If Swallowed:	Call the POISON CENTRE or contact a doctor/physician if you feel unwell.
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:	Take off all contaminated clothing. Rinse skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
If inhaled:	Move to fresh air and keep at rest in a position comfortable for breathing. Call the POSION CENTRE or doctor/physician if you feel unwell.

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Section 5 – Fire-fighting Measures

Hazard:	Liquid and vapour are highly flammable. Severe fire hazard when exposed to heat or flame.
Hazardous combustion products:	Combustion products include: carbon monoxide (CO), carbon dioxide (CO ₂), other pyrolysis products typical of burning organic material. Contains low boiling substance: Closed containers may rupture due to pressure buildup under fire conditions
Suitable Extinguishing Media:	SMALL FIRE: Water spray, dry chemical or CO ₂ LARGE FIRE: Water spray or fog, foam, dry chemical powder.
Protective Equipment:	Self contained breathing apparatus and protective gloves and clothing
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 meters in all directions.

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Section 6 – Accidental Release Measures

- Spills and Disposal:**
- MINOR SPILLS** Environmental hazard - contain spillage. Clean up all spills immediately.
- 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 a 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.
 - Alert Fire Brigade and tell them location and nature of hazard.
- Protective Equipment:** Personal Protective Equipment advice is contained in Section 8 of the MSDS.
- Environmental Precautions:** Avoid entry into waterways or streams. Prevent washings from entering waterways.

Section 7– Handling and Storage

- Storage conditions:**
- Protect from sunlight.
DO NOT expose to temperatures exceeding 50°C · Check that containers are clearly labeled.
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 vapors may be trapped.
- Safe handling advice:**
- 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.

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Safe handling advice: Atmospheres must be tested and O.K. before work resumes after leakage.
 (Continued)

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.

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 = 50ppm, = 188mg/m³
 Dibutyl phthalate TWA = 5mg/m³
 LPG TWA = 1000ppm = 1800mg/m³

Protective Equipment:

Equipment:

RESPIRATOR - Type AX-P Filter of sufficient capacity

EYE - No special equipment for minor exposure i.e. when handling small quantities.

HANDS/FEET - 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

OTHER

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. No special equipment needed when handling small quantities.

OTHERWISE: Overalls.

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
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

Section 10 – Stability and Reactivity

Stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to Avoid:	Ignition sources. Incompatible materials
Materials to Avoid:	Strong oxidizing agents
Hazardous Decomposition Products:	Combustion products include: carbon monoxide (CO), carbon dioxide (CO ₂), other pyrolysis products typical of burning organic material.

Section 11 – Toxicological Information

No adverse health effects expected if 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.
 Product may be harmful if swallowed.
 It can cause mild skin irritation.
 It can cause serious eye irritation.

Section 12 - Ecological Information

EPA classification:	Toxic to aquatic life with long lasting effects.
Ecotoxicity:	Harmful to the aquatic environment
Bioaccumulative potential:	Product is not known to be persistent or bio accumulative



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Section 13 – Disposal Considerations

Product and container Disposal: Preferably dispose of product by use. Otherwise dispose of product, packaging and waste at an approved landfill or equivalent facility in accordance with local, regional and national environmental regulations. Donaghys is a member of Agrecovery Container Recycling programme. For details on how to correctly prepare your container and collection sites please visit www.agrecovery.co.nz.

Section 14 – Transport Information

Proper Shipping Name:	AEROSOLS, FLAMMABLE
UN Number:	1950
DG class:	2.1
Subsidiary Risk Class:	No information available
Packing Group:	No information available
Marine pollutant:	No information available
Hazchem code	2YE

Section 15 – Regulatory Information

EPA NZ Registration Code:	HSR002515
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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 CONTACT No. - POISON INFORMATION CENTRE: 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand)

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