

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Spray Freeze.
Catalogue Number: LM030.
Other Names: Freezing Spray 200 Gram AEROSOL
Recommended Use: Aerosol Refrigerant spray.

Supplier Name: ProSciTech
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 **Fax Number:** (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Not classified as hazardous according to criteria of NOHSC.
Hazardous and/or Dangerous Nature: NON-HAZARDOUS SUBSTANCE. DANGEROUS GOODS.
Risk Phrases: Not applicable.
Safety Phrases: Not applicable.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE: **Chemical Identity:** Trade Secret
Common Name(s):
CAS Number(s): -

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Ingredients determined to be non-hazardous.	-	Balance

SECTION 4 - FIRST AID MEASURES

Swallowed: Do NOT induce vomiting. Wash out mouth with water. Seek medical attention.
Eye: Flood eyes with plenty of water, holding eyelid(s) open. If irritation develops and persists, seek medical attention.
Skin: Remove contaminated clothing and wash skin thoroughly with soap and water. Ensure contaminated clothing is washed before re-use or discard. If irritation develops, seek medical attention.
Inhaled: Remove affected person from contaminated area and if irritation persists, seek medical advice. If not breathing apply artificial respiration and seek urgent medical advice.
First Aid Facilities: Eyebath/eyewash & Safety shower.

Medical Attention & Special Treatment:

Treat symptomatically.

ADDITIONAL INFORMATION:

For advice may contact the Poisons Information Centre (Australia phone 131 126) or a doctor at once.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Use foam, carbon dioxide or dry chemical to extinguish fire. Use water spray to keep cool aerosol container.

Hazards from Combustion Products:

Combustible Liquid. Container may explode when heated. Keep away from naked flames, sparks and other sources of ignition. Combustion products include oxides of carbon.

Precautions for Fire Fighters:

Fire fighters should wear full protective clothing and self contained breathing apparatus.

Hazchem Code: 4WE

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Evacuate all unnecessary personnel. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation.

Containment and clean up:

For liquid spill: Wear appropriate personal protective equipment and clothing to minimize exposure. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labeled container for subsequent disposal. Prevent contamination of ground water or surface water.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

Use in a well ventilated area. DO NOT store or use in confined spaces. Build up of mists and vapours in the atmosphere must be prevented. Prevent concentration in hollows and sumps. Product contains an asphyxiant therefore do not enter these areas until atmosphere has been checked. Avoid breathing in spray or mists or vapours. Do not use near welding or other ignition sources and avoid sparks. Do not puncture cans. Do not incinerate empty cans. Do not smoke. When dealing with large quantities, repeated or prolonged skin exposure without protection should be prevented in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, and smoking or using toilet facilities.

Conditions for Safe Storage:

Store in a cool, dry, well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Protect containers against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Do NOT pressurize, cut or heat aerosol containers. Content is under pressure and can explode violently. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all Local, State and Federal regulations.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No exposure standard allocated.

Biological Limit Values: No biological limit allocated.

Engineering Controls:

Use in a well ventilated area only. This product contains an asphyxiant and the minimum oxygen content in air should be 18% by volume under normal atmospheric pressure. Provide sufficient ventilation to keep airborne levels as low as possible. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS 2430 - Explosive gas atmospheres for further information concerning ventilation requirements.

Personal Protective Equipment:

Respiratory Protection:

If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Eye Protection:

Safety glasses with side shields or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.

Hand Protection:

Impervious gloves recommended. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.

Body Protection:

Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Clear oily spray liquid.
Odour:	Not available.
pH:	Not available.
Vapour pressure (mm of Hg at 25°C):	55 psi (approximately).
Vapour density:	Not available.
Boiling point/range (°C):	Not available.
Freezing/melting point (°C):	Not available.
Solubility:	Insoluble in water.
Specific gravity or density:	(h ₂ o=1):0.85
Flash Point:	-300°C.
Flammable (explosive) limits:	Flammable. Lower Explosive Limit: 1.2% Upper Explosive Limit: 7.5%
Ignition temperature:	Not available.
Additional Information:	
	Volatile Component: 90% (approximately).

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Extremes of temperature and incompatible materials.
Incompatible Materials:	Strong oxidising agents.
Hazardous Decomposition	Oxides of carbon.
Products:	
Hazardous Reactions:	May occur if exposed to conditions listed above.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

Ingestion:

Not a likely source of exposure. Ingestion of liquid may cause irritation of the gastrointestinal system. Symptoms may include nausea, vomiting and diarrhea.

Inhalation:

Vapours or mists generated in confined and/or poorly ventilated areas may cause respiratory system irritation, headache, nausea and dizziness. Deliberate misuse of aerosol sprays can have an adverse affect the CNS, resulting in confusion, lack of coordination; can cause hallucinations, perceptual distortions and euphoria. Solvent misuse can cause death.

Skin Contact:

May cause irritation to skin. Symptoms may include redness and itchiness. Repeated or prolonged skin contact may lead to dermatitis.

Eye Contact:

May be Irritating to eyes. Eye contact and high concentration of solvent vapour may cause symptoms including redness, excessive tearing, stinging and swelling.

Human/Animal data: Not available.

Carcinogenicity: Not available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	Do not allow product to enter drains, waterways or sewers.
Persistence and degradability:	Not available.
Mobility:	Not available.
Additional Information:	

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:

Dispose of waste according to the Environmental Protection Authority (EPA), federal, state and local regulations. If large quantities of this material enter the waterways contact the EPA, or your local Waste Management Authority.

Special Precautions:

SECTION 14 - TRANSPORT INFORMATION

UN Number: UN1950.
UN Proper Shipping Name: Aerosols, flammable.
Class and Subsidiary risk: 2.1
Packing Group: Not applicable.
Special Precautions for User: This material is classified as a Class 2.1 Dangerous Good according to the Australian Code for the Transport of Dangerous Goods. Class 2.1 Flammable Gases shall not be loaded or packed in the same vehicle or freight as:
- Class 1, Explosives
- Class 3, Flammable Liquids (It both the Class 2.1 and Class 3 dangerous goods are in bulk),
- Class 4.1, Flammable Solids
- Class 4.2, Spontaneously Combustible Substances
- Class 4.3, Dangerous When Wet Substances
- Class 5.1, Oxidising Agents
- Class 5.2, Organic Peroxides
- Class 7, Radioactive Substances.

Hazchem Code: 4WE

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated.

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: August 10

Comments:

The information published in this Material Safety Data Sheet has been compiled from data in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.