SAFETY DATA SHEET

FREEZE SPRAY

Infosafe No.: ESPEI
ISSUED Date : 03/04/2025
ISSUED by: CRC INDUSTRIES (AUST) PTY LIMITED

Section 1 - Identification

Product Identifier
FREEZE SPRAY

Product Code
2039

Company Name
CRC INDUSTRIES (AUST) PTY LIMITED

Address
9 Gladstone Road Castle Hill
NSW 2154 AUSTRALIA

Telephone/Fax Number
Tel: (02) 9849 6700
Fax: (02) 9680 4914

Emergency Phone Number
13 11 26 (PIC)

E-mail Address
info.au@crcind.com

Recommended use of the chemical and restrictions on use
Freeze Spray · Freezing Applications

Other Names

Name	Product Code
CRC FREEZE SPRAY	2039
CRC FREEZE SPRAY 75 (FORMERLY)	2039

Additional Information
Website: http://www.crcindustries.com.au

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture
CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

Physical Hazards
Aerosols - Pressurised: Category 3

Health Hazards:
Not classified as a Health Hazard

Environmental Hazards:
Not classified as an Environmental Hazard

Signal Word (s)
WARNING

Hazard Statement (s)
H229 Pressurized container: may burst if heated.

Precautionary Statement – Prevention
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.

Precautionary Statement – Response
Not Applicable

Precautionary Statement – Storage
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Precautionary Statement – Disposal
Not Applicable

Precautionary Statement – General
Not Applicable

Other Information
Other hazards:
No information provided.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
1, 1, 1, 2- Tetrafluoroethane (HFC- 134a)	811- 97- 2	> 60 %

Other Information
Synonyms: 2039 - PRODUCT CODE · CRC FREEZE SPRAY · CRC FREEZE SPRAY 75 (FORMERLY)

Substances / Mixtures:
Ingredient / EC Number
1,1,1,2-TETRAFLUOROETHANE (HFC-134A) 212-377-0

Section 4 - First Aid Measures

Inhalation
If inhaled, remove from contaminated area. To protect rescuer, use an Air-line respirator where an inhalation risk exists. Apply artificial respiration if not breathing.

Ingestion
For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

Skin
Cold burns: Remove contaminated clothing and gently flush affected areas with warm water (30°C) for 15 minutes. It is recommended that warm water is applied to clothing before removing it so as to prevent further skin damage. Apply sterile dressing and treat as for a thermal burn. For large burns, immerse in warm water for 15 minutes. DO NOT apply any form of direct heat. Seek immediate medical attention.

Eye
If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

First Aid Facilities
Eye wash facilities and normal washroom facilities should be available.

Indication of immediate medical attention and special treatment needed if necessary
Treat symptomatically.

Most important symptoms/effects, acute, delayed and aggravated medical conditions
Contact with liquid may cause cold burns/frostbite.

Section 5 - Firefighting Measures

Suitable Extinguishing Media
Use an extinguishing agent suitable for the surrounding fire.

Specific Methods
Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

Specific hazards arising from the chemical
Non flammable. May evolve toxic gases (carbon oxides, hydrogen fluoride, hydrocarbons) when heated strongly.

Hazchem Code
None allocated.

Decomposition Temperature
Not available

Section 6 - Accidental Release Measures

Methods and materials for containment and cleaning up
Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

Personal Precautions
Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible.

Environmental Precautions
Prevent product from entering drains and waterways.

Other Information
Reference to other sections:
See Sections 8 and 13 for exposure controls and disposal.

Section 7 - Handling and Storage

Precautions for Safe Handling
Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation.
Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Aerosol containers may explode if exposed to excessive heat (> 50°C). Ensure containers are adequately labelled and protected from physical damage when not in use.

Additional information on precautions for use
Specific end uses:
No information provided.

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values
Control parameters
Exposure standards:
Ingredient / Reference / TWA ppm / TWA mg/m³ / STEL ppm / STEL mg/m³
1,1,1,2-Tetrafluoroethane SWA [AUS] 1000 4240 -- --

Biological Monitoring
No biological limit values have been entered for this product.

Engineering Controls
Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

Respiratory Protection
Where an inhalation risk exists, wear a Type A-Class P1 (Organic gases/vapours and Particulate) respirator.
At high vapour levels, wear an Air-line respirator. Where the boiling point is < 65°C, use an AX filter type.

Eye and Face Protection
Wear splash-proof goggles.

Hand Protection
Wear leather gloves.

Body Protection
When using large quantities or where heavy contamination is likely, wear coveralls.

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Gas	**Appearance**	Colourless Gas (Aerosol Dispensed)
Odour	Ethereal-like odour	**Melting Point**	Not available
Boiling Point	-26.4°C	**Decomposition Temperature**	Not available
Solubility in Water	Not available	**pH**	Not available
Vapour Pressure	0.583 MPa @ 25°C	**Relative Vapour Density (Air=1)**	> 1
Evaporation Rate	Not available	**Odour Threshold**	Not available
Viscosity	Not available	**Volatile Component**	100 %
Partition Coefficient: n-octanol/water (log value)	Not available	**Flash Point**	Not relevant
Flammability	Non flammable	**Auto-Ignition Temperature**	Not available
Explosion Limit - Upper	Not relevant	**Explosion Limit - Lower**	Not relevant
Explosion Properties	Not available	**Oxidising Properties**	Not available
Relative Density	1.212		

Section 10 - Stability and Reactivity

Reactivity
Carefully review all information provided in sections 10.2 to 10.6.

Chemical Stability
Stable under recommended conditions of storage.

Possibility of hazardous reactions
Polymerization is not expected to occur.

Conditions to Avoid
Avoid heat, sparks, open flames and other ignition sources.

Incompatible Materials
Incompatible with oxidising agents (e.g. hypochlorites), alkalis (e.g. sodium hydroxide) and alkaline earth metals (e.g. manganese).

Hazardous Decomposition Products
May evolve toxic gases if heated to decomposition.

Section 11 - Toxicological Information

Acute Toxicity
Acute exposure may result in nausea, vomiting, abdominal pain, diarrhoea, dizziness and drowsiness. This product may have the potential to cause adverse health effects if intentionally misused (e.g. deliberately inhaling contents).

Information available for the ingredients:
Ingredient / Oral LD50 / Dermal LD50 / Inhalation LC50
1,1,1,2-TETRAFLUOROETHANE (HFC-134A) -- -- 1500 g/m³/4 hour (rat)

Skin Corrosion/Irritation
Contact with the liquefied material or escaping compressed gas may cause frostbite injury.

Serious Eye Damage/Irritation
Contact with the liquefied material or escaping compressed gas may cause frostbite injury.

Sensitisation
Not classified as causing skin or respiratory sensitisation.

Carcinogenicity
Not classified as a carcinogen.

Reproductive Toxicity
Not classified as a reproductive toxin.

STOT - Single Exposure
Over exposure may result in dizziness, drowsiness, weakness, fatigue, breathing difficulties and unconsciousness. HFC-134a can act as an asphyxiant in high concentrations.

STOT - Repeated Exposure
Not classified as causing organ damage from repeated exposure.

Aspiration Hazard
Ingestion is considered unlikely due to product form.

Mutagenicity
Not classified as a mutagen.

Section 12 - Ecological Information

Ecotoxicity
1,1,1,2-Tetrafluoroethane (HFC-134a) is not classified as hazardous to aquatic organisms.

Persistence and degradability
1,1,1,2-Tetrafluoroethane (HFC-134a) has a relatively long atmospheric lifetime, ranging from several years to over a decade, depending on environmental conditions. While it does not persist in soil or water to a significant extent, its stability in the atmosphere contributes to its global warming potential.

Mobility
Mobility in soil:
1,1,1,2-Tetrafluoroethane (HFC-134a) is relatively mobile in soil due to its low adsorption to soil particles and its gaseous state under normal conditions. It can leach through soil and potentially contaminate groundwater, although it tends to evaporate quickly.

Bioaccumulative Potential
1,1,1,2-Tetrafluoroethane (HFC-134a) is not considered to bioaccumulate significantly in living organisms.

Other Adverse Effects
Global Warming Potential (GWP): HFC-134a has a high GWP, which contributes to its regulation under various international agreements aimed at reducing greenhouse gas emissions.
Ozone Layer Impact: Unlike chlorofluorocarbons (CFCs), HFC-134a does not deplete the ozone layer, but its greenhouse effect is still a concern.

Section 13 - Disposal Considerations

Waste Disposal
Dispose of to landfill. Do not puncture or incinerate aerosol cans. Contact the manufacturer/supplier for additional information (if required).

Local Legislation
Dispose of in accordance with relevant local legislation.

Section 14 - Transport Information

UN Number
1950

Proper Shipping Name
AEROSOLS

Transport Hazard Class
2.2

Packing Group
None allocated.

Hazchem Code
None allocated.

IERG Number
49

Special Precautions for User
GTEPG: 2D1
EmS: F-D, S-U

IATA UN Number
1950

IATA Proper Shipping Name
Aerosols

IATA Transport Hazard Class
2.2

IATA Packing Group
None allocated.

IMDG UN Number
1950

IMDG Proper Shipping Name
AEROSOLS

IMDG Transport Hazard Class
2.2

IMDG Packing Group
None allocated.

Environmental Hazards
Not a Marine Pollutant.

Additional Information
CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

LAND TRANSPORT (ADG)
UN number: 1950
Proper shipping name: AEROSOLS
Transport hazard class: 2.2
Packing group: None allocated.

SEA TRANSPORT (IMDG / IMO)
UN number: 1950
Proper shipping name: AEROSOLS
Transport hazard class: 2.2
Packing group: None allocated.

AIR TRANSPORT (IATA / ICAO)
UN number: 1950
Proper shipping name: AEROSOLS
Transport hazard class: 2.2
Packing group: None allocated.

Section 15 - Regulatory Information

Regulatory Information
Poison schedule: A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications: Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).

Poisons Schedule
Not Scheduled

Australian Inventory of Industrial Chemicals (AIIC)
All components are listed on AIIC, or are exempt.

Section 16 - Any Other Relevant Information

Version Number
3.2

Key Abbreviations or Acronyms Used
ACGIH: American Conference of Governmental Industrial Hygienists
CAS #: Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS: Central Nervous System
EC No.: EC No - European Community Number
EMS: Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)

GHS: Globally Harmonized System
GTEPG: Group Text Emergency Procedure Guide
IARC: International Agency for Research on Cancer
LC50: Lethal Concentration, 50% / Median Lethal Concentration
LD50: Lethal Dose, 50% / Median Lethal Dose
mg/m³: Milligrams per Cubic Metre
OEL: Occupational Exposure Limit
pH: relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm: Parts Per Million
STEL: Short-Term Exposure Limit
STOT-RE: Specific target organ toxicity (repeated exposure)
STOT-SE: Specific target organ toxicity (single exposure)
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons
SWA: Safe Work Australia
TLV: Threshold Limit Value
TWA: Time Weighted Average

Signature of Preparer/Data Service

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Other Information

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

This SDS has been transcribed into Infosafe GHS format from an original, issued by the manufacturer on the date shown. Any disclaimer by the manufacturer may not be included in the transcription.

END OF SDS