



SECTION 1: Identification of the Substance/Mixture and Company/Undertaking

Product Identifier:

- Product Name : Carbon dioxide, refrigerated liquid
- Chemical Name : Carbon dioxide
- Chemical Formula : CO₂
- CAS-No. : 124-38-9
- EC No. : 204-696-9

Uses:

Industrial and professional applications such as aerosol propellant, beverage applications, chemical synthesis, fire suppressant gas, food packaging gas, freezing, cooling, and heat transfer, among others.

Supplier:

- Address : No.1 Govindanaickenpalayam, Athipalayam Post, Coimbatore - 641 110.
- Contact : (+91) 9677730846
- Email : rama@svcgl.com

SECTION 2 : Hazards Identification

Physical Hazards:

- Contains refrigerated gas, which may cause cryogenic burns or injury.

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended.

Physical Hazards

- Gases under pressure Refrigerated
- liquefied gas
- H281: Contains refrigerated gas; may cause cryogenic
- burns or injury.

Label Elements



- **Signal Words:** Warning
- **Hazard Statement(s):** H281: Contains refrigerated gas; may cause cryogenic burns or injury.



- **Precautionary Statements**
- **Prevention:** P282: Wear cold insulating gloves and either face shield or eye protection.
- **Response:** P336+P315: Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention.
- **Storage:** P403: Store in a well-ventilated place.
- **Disposal:** None.
- **Other hazards:** None.

Precautionary Statements:

- Wear cold insulating gloves, face shield, or eye protection.
- Thaw frosted parts with lukewarm water and seek medical attention.
- Store in a well-ventilated place.

SECTION 3: Composition/Information on Ingredients

| | | |
|---------------|---|----------------|
| Chemical Name | : | Carbon dioxide |
| Purity | : | >99% |

SECTION 4: First Aid Measures

- In case of inhalation, remove to fresh air and seek medical attention.
- In case of eye contact, rinse with water and seek immediate medical assistance.
- Skin contact with evaporating liquid may cause frostbite, thaw with lukewarm water.

SECTION 5: Firefighting Measures

- Material will not burn, use appropriate extinguishing agent for surrounding fires.
- Firefighters should use standard protective equipment including SCBA.

SECTION 6: Accidental Release Measures

- Evacuate area, provide ventilation, and wear self-contained breathing apparatus.
- Prevent further leakage and spills, avoid entering dangerous areas.

SECTION 7: Handling and Storage

- Handle with proper equipment and safety procedures.
- Secure cylinders upright, store in well-ventilated, cool areas away from ignition sources.

SECTION 8: Exposure Controls/Personal Protection

- Use appropriate engineering controls and personal protective equipment.
- Respiratory protection not required, but risk assessment should guide use of PPE.



SECTION 9: Physical and Chemical Properties

- Colorless gas with odor threshold not adequate for warning of overexposure.
- Molecular weight: 44.01 g/mol

SECTION 10: Stability and Reactivity

- Stable under normal conditions, no hazardous reactions expected.
- Avoid contact with cryogenic liquids to prevent embrittlement.

SECTION 11: Toxicological Information

- May cause rapid circulatory deterioration at high concentrations.
- No acute toxicity identified via oral, dermal, or inhalation routes.

SECTION 12: Ecological Information

- No ecological damage expected biodegradation likely.

SECTION 13: Disposal Considerations

- Vent to atmosphere in well-ventilated areas, follow EIGA code of practice for disposal.

SECTION 14: Transport Information

- Proper shipping name: Carbon dioxide, refrigerated liquid.
- Follow appropriate transport regulations and ensure containers are securely handled.
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SECTION 15: Regulatory Information

National Regulations (India):

- Occupational Safety and Health Standards: Governed by national regulations to encourage safety and health improvements for workers at work.
- Standards for Personal Protective Equipment: Compliance with national standards ensuring the efficacy of personal protective equipment.
- Food Regulations: Products must adhere to relevant Indian food regulations to be used as additives.

Compliance:

- This Safety Data Sheet is crafted to meet the requirements of applicable Indian regulations.

Chemical Safety Assessment:

- No Chemical Safety Assessment has been conducted for this substance or mixture.