



Safety & Handling Guide

Practical precautions for receiving, storing, transporting and using dry ice

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SAFETY-FIRST PURPOSE: Operational guidance for customers and staff handling dry ice. This document does not replace a workplace risk assessment, transport requirements, local regulations, or an official supplier/manufacturer SDS.

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1. Essential Safety Summary



Dry ice is extremely cold; avoid bare-skin contact



Use insulated, vented packaging and adequate ventilation

Hazard	What can happen	Control
Extreme cold	Direct contact can cause cold burns / frostbite.	Use insulated gloves or suitable tools; avoid bare-skin contact.
CO2 gas release	Gas can displace breathable air in poorly ventilated spaces.	Use in ventilated areas; do not store large quantities in small closed rooms or vehicles.
Pressure build-up	Dry ice in an airtight container can generate dangerous pressure.	Never seal dry ice in an airtight bottle, jar, cooler or container.
Children / ingestion	Contact or ingestion can cause serious injury.	Keep away from children; do not consume dry ice.

2. Personal Protective Equipment (PPE)

- Wear insulated gloves suitable for handling very cold materials.
- Use tongs, a scoop or other suitable handling tools when practical.
- Wear eye protection when breaking, transferring or using dry ice where chips or splashes may occur.
- Wear closed footwear and avoid loose handling near bare skin.

3. Receiving & Opening a Dry-Ice Package

1. Move the package to a well-ventilated area before opening.
2. Check the box for damage. Do not place your face directly over the box when opening.
3. Open carefully and allow gas to disperse; some sublimation during transit is normal.
4. Handle pellets with gloves or tools. Do not touch them with bare hands.
5. Keep the package vented. Do not tape or clamp it airtight.

4. Storage

- Store in an insulated container that is not airtight. A vented EPS / thermopore box is suitable for short-term holding.
- Keep in a cool, shaded, ventilated location away from direct heat and sunlight.
- Do not store significant quantities in bedrooms, lifts, small unventilated rooms, closed vehicles or other confined spaces.
- Dry ice continuously loses mass by sublimation; plan quantity close to the time of use.



5. Transport

Car / van	Keep packaging vented and provide fresh-air ventilation. Avoid leaving dry ice in a closed parked vehicle.
Courier / commercial transport	Use insulated, vented packaging and communicate dry-ice handling requirements to the carrier.
Cold-chain shipment	Separate product from direct contact where needed; use appropriate secondary packaging and confirm transit time.
Air / export shipment	Transport requirements and carrier rules can vary by route, mode and quantity; confirm with the carrier before dispatch.

6. First Aid / Emergency Guidance

Skin contact / cold burn	Remove the dry ice carefully. Warm the affected area gradually with lukewarm / tepid water. Do not use hot water. Seek medical advice for significant injury, blistering, persistent numbness or pain.
Eye contact	Flush cautiously with clean water and obtain urgent medical assessment.
Suspected CO2 overexposure	Move the person to fresh air immediately. If symptoms are severe, breathing is difficult, or the person is unconscious, seek emergency medical assistance.
Ingestion	Treat as a medical emergency and obtain urgent professional help.

7. Safe Disposal

- Allow unwanted dry ice to sublime naturally in a secure, well-ventilated area away from people, children and animals.
- Do not dispose of dry ice into a sealed bin, sink, toilet or other confined / airtight space.
- Do not leave dry ice unattended in a public area.

REFERENCE BASIS: General dry-ice safety material and third-party SDS guidance supplied for internal review support the core points used here, including approximately -78.5 C temperature, frostbite risk, insulated gloves, ventilation, non-airtight storage and lukewarm-water first-aid guidance. This document remains operational guidance and is not a manufacturer-issued SDS.

8. Revision History

Revision	Date	Status	Change Summary
1.0	27 Sep 2026	Official	Initial controlled public issue

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