

## Health & Safety Guidelines

### How should dry ice be handled?

Dry Ice is extremely cold at a temperature of  $-78.5^{\circ}\text{C}$ . Touching dry ice with unprotected skin can lead to freeze burns or even frostbite. The severity of the burn depends on the duration of skin contact with the dry ice.

**Always use gloves** (preferably insulated) or protective cloth when handling dry ice.

### How should dry ice be stored?

Dry Ice should be stored in an insulated container. This will reduce the rate of sublimation, making your dry ice last longer. Refrain from opening the container until you are using at dry ice. Polar Ice can advise on suitable packaging and storage solutions for your dry ice.

**WARNING: Dry Ice should never be stored in an airtight container.** As the dry ice reverts to a gas, it will cause a potentially dangerous build-up of pressure in an airtight container. Ensure that the container is not completely airtight as the sublimation of dry ice to  $\text{CO}_2$  gas will cause an airtight container to expand or possibly explode.

### Ventilation

In small amounts,  $\text{CO}_2$  is harmless, but in larger quantities it can lead to shortness of breath or even asphyxiation. It is important to always store dry ice in a well-ventilated area. If dry ice has been stored in a room or vehicle for more than 10 minutes then you must open a door or window and allow adequate ventilation.

**NOTE:** If you working with or near dry ice and suddenly find you are having difficulty breathing or are out of breath, open any nearby windows and vacate the area for at least 10 to 15 minutes.

### Ingestion

Dry ice can cause serious internal injury if swallowed. In case of ingestion, consult a medical professional immediately. **Dry Ice should not be put directly into drinks intended for consumption.** ChilliSticks are a safe method of adding dry ice to drinks to create a smoke effect.

### How should I dispose of dry ice?

When finished with your dry ice, unwrap it and leave it at room temperature in a well-ventilated area. This will help it to sublimate faster from a solid to a gas. Due to the  $\text{CO}_2$  released by the sublimation process, ensure that the dry ice is kept clear of people and animals. **NEVER leave dry ice unattended around children or animals.**

#### Have you a dry ice safety query?

If you have any concerns or queries about dry ice safety, handling, or storage then contact us today for expert advice. Tel: +44 (0)2890 313 996.