



Mr Iceman's Dry Ice Transport & Storage Information

Dry Ice is great for keeping food or other items frozen for long periods of time.

The best shipping containers (Styrofoam shippers) is a minimum 20mm thick insulated box – sublimating at a rate of less per hour than 1%. Inexpensive containers aren't recommended, as they'll sublimate the dry ice at a rapid rate. The best rate possible would be a 5% over 24hrs in a commercial style Dry Ice "Esky".

The combination of Dry Ice and Gel Packs are a great way of extending freezing time during transportation.

When packing items in the container, put dry ice, any gel packs, and the product as close together as possible with the dry ice on top.

Fill any empty space with wadded newspaper, Linen or Styrofoam peanuts, as any "dead-air-space" will cause the Dry Ice to sublimate faster.

Time in Transit – Quantity of Dry Ice Required

Kg Frozen Goods	4 hours	12 hours	24 hours	2 days
Less than 10kg	5kg	5kg	12kg	12kg
10kg to 15kg	5kg	10kg	12kg	24kg

Dry Ice Safety

Remember these safety precautions when you work with dry ice!

Use cotton gloves, towels, or potholders to move dry ice.

Use in a ventilated location. Children should be supervised by an adult when using dry ice.

The temperature of dry ice is -78.5° C, cold enough to freeze skin cells and cause an injury similar to a burn.

Storage

Store dry ice in an insulated container. Do not store ice in a container that is completely airtight. As the ice changes to CO₂ (carbon dioxide) gas, it will cause an airtight container to expand and possibly explode.

Do not store Dry Ice in your refrigerator freezer. The extremely cold temperature will cause your thermostat to turn off your freezer

Ventilation

Dry ice gives off CO₂ into the air, so if dry ice has been in a closed car, van, or room for more than 10 minutes, open the doors and windows before entering. Otherwise, you will experience difficulty breathing. Leave the area immediately if you start to breathe quickly or have any difficulty breathing.

INTENTIONAL MISUSE OF DRY ICE MAY BE HARMFUL OR FATAL.