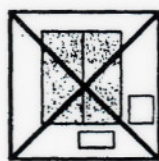


## STORAGE



**ALWAYS** store dry ice in an area which is:

- Well ventilated.
- Preferably not below ground.
- Accessible with mechanical lifting equipment (where the ice is stored in large containers).
- Out of direct sunlight and sources of heat.
- Secure – to prevent unauthorised access.

Suitable dry ice containers are available from your supplier. Generally, the principle is – the better the insulation, the slower the sublimation rate and the longer the quality of the product will be maintained.



**DO NOT** store or use dry ice in any gas tight container. Within large containers, gas rich atmospheres will have built up.

**ALWAYS** secure the container lid open before reaching in to unload the product.

**AVOID** leaning into the container for longer than necessary.

## HOW TO USE DRY ICE

**FREEZING** – place dry ice above items to be frozen.

**DO NOT** allow direct contact with items to be frozen as superficial damage / freezer burn may occur.

**ALWAYS** defrost completely before consumption.

**COOLING** – place dry ice in bottom of cooler, cover with water ice or insulating material, then place cans, food etc. on top. **DO NOT** allow direct contact with dry ice.

**SPECIAL EFFECTS** – use gloves to place small amounts of dry ice in hot water for fog. Can be used with a proprietary fog machine. • •

**OTHER USES** - ♦ fresh meat processing and shipping ♦ De-flashing moulded rubber and plastic ♦ low temperature testing ♦ industrial cleaning (dry ice pellet blasting) ♦ shrink fitting ♦ laboratory cold traps ♦ inerting and purging ♦ freeze branding.

## WORKING WITH DRY ICE

Many applications of dry ice result in the sublimation of the dry ice volume into the working area.

**REMEMBER** – a little bit of dry ice will sublime to a large volume of CO<sub>2</sub> gas.

**ALWAYS** seek professional advice on suitable ventilation systems. Use of dry ice will generate gaseous CO<sub>2</sub>. This may require assessment under the UK COSHH Regulations.



**Do not** handle dry ice with bare hands. It can cause severe cold burns and frostbite.



**DO NOT** play with dry ice. Playing games with dry ice is dangerous, + do **NOT** put dry ice into drinks !!

**ALWAYS** keep dry ice away from children.

**USE AN INSULATED CONTAINER TO STORE DRY ICE**

**DO NOT PUT DRY ICE INTO DRINKS !**

**DO NOT PLACE IN WORKING REFRIGERATOR OR FREEZER**

## SAFE DISPOSAL

Dry Ice sublimates leaving no residue. However, care should be taken when surplus ice remains when the application for which it was intended is completed.

- **ALWAYS** ensure that dry ice is disposed of in a safe place:
  - Well-ventilated area
  - Secured against access to passers-by – especially children and animals
- **DO NOT** dispose of dry ice in an area where CO<sub>2</sub> gas can collect in low-lying areas – garage pits, drains, confined spaces, etc.

Any left over packaging should be disposed of with care and recycled wherever possible.



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