



HALLOWEEN

SPECIAL EFFECTS

FREQUENTLY ASKED QUESTIONS



Q. HOW DO I CREATE THE FOG EFFECT?

Pour heated water over dry ice to create the fog effect. Hot water creates a more dramatic fog. Small pieces of Dry Ice, like pellets, have more surface area, and therefore produce a greater amount of fog. They also cool the water down much faster. The result: a more dramatic fog effect for a shorter length of time. Keep the water heated to produce the fog effect for a longer time.

The greatest amount of fog will be produced in the first 5 to 10 minutes. There will be far less fog for the next 5 to 10 minutes as the water cools and the volume of Dry Ice diminishes. As the water cools, the fog becomes wispy. When the water gets colder than 50°F or 10°C, the Dry Ice stops making fog, but continues to sublimate and bubble.

Q. WHAT IS DRY ICE?

Dry Ice is CO₂ gas compressed into a solid. It has a surface temperature of -78°C.

Touching the Dry Ice directly with your skin will freeze cells and cause injury similar to a burn. For this reason insulated gloves should be worn at all times when handling Dry Ice.

Q. WHAT DOES DRY ICE LOOK LIKE?

We manufacture Dry Ice in a number of different product types: blocks, slices, and pellets. What product type you should use will

depend on whether you are using a smoke machine or just creating the fog effect using your own containers. We sell the dry ice blocks and slices in units of 10kgs, and dry ice pellets in units of 3.5kg, 8kg, and 10kg.





Q. WHERE CAN I GET A SMOKE MACHINE?

You can contact **Team FX** for help. For enquiries on hiring out pea-souper smoke machines please Tel: 01 276 0590 or visit their website for more information – <http://www.teamfx.ie>.

To cover a large floor area with the fog effect, for a prolonged period of time, you would probably require 1 – 2 smoke machines to give a really strong effect.



Q. CAN I CREATE A FOG EFFECT WITHOUT USING A SMOKE MACHINE?

Absolutely, the most basic method to create an immediate fog effect is:

1. Use a container (ideally plastic, something that can't shatter).
2. Place the Dry Ice into it.
3. Pour heated water over the Dry Ice.

If you want to create the fog effect in a localised area (i.e. not trying to cover a large floor space) for a brief period of time, then this is an ideal method. As the Dry Ice is -78°C it will rapidly cool the water, once the water is cold the fog effect will dissipate.

As a rough guide 1kg of dry ice pellets added to 1.3 Litres of hot water, will give a good dramatic effect for approximately 3 minutes.

Based on this, 10kgs should give you about half an hour of fog effect, however you would need to change out the cold water for heated water or find a way to reheat the water every few minutes. Having a larger volume of heated water to begin with will help prolong the effect.

To save on the time changing out water, you could try using an old soup kettle. This would reheat the water for you, and could be disguised as a cauldron for Halloween. When the fog effect starts to fade, more Dry Ice can then be added into the soup kettle.





Q. CAN I PUT DRY ICE INTO DRINKS?

Never put Dry Ice loose into drinks. If it's accidentally swallowed it could cause internal injuries. Dry Ice is -78°C and if it comes into direct contact with skin it will cause freezer burns.

Always use ChilliSticks to safely add dry ice to drinks.

ChilliSticks are approx. 7" in length, with a capsule at one end capable of holding a Dry Ice pellet. Each ChilliStick gives approximately 3 to 5 minutes fog effect depending on the volume of liquid in the glass.

ChilliSticks are sold in packs of 12. They are reusable, and to help save time when serving drinks they can be pre-loaded up to two hours before use, and submerged in the remaining dry ice pellets to hold them.

Q. HOW DO I STORE DRY ICE?

Store Dry Ice in an insulated container (e.g. thick styrofoam box). The thicker the insulation, the slower it will sublimate. The polybox storage carton provided with the Dry Ice will hold it sufficiently well for a maximum of 72 hours.

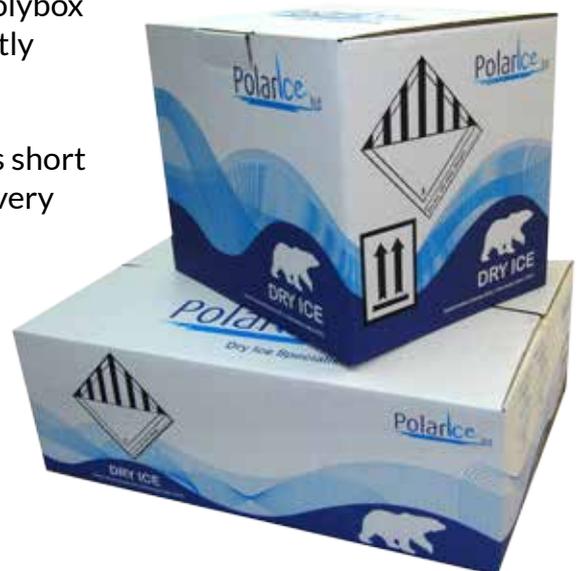
The Dry Ice does not need to be stored in a freezer. Due to its short shelf life we always recommend ordering the Dry Ice for delivery or collection as close as possible to the day of use.

NEVER store Dry Ice in a completely airtight container.

The sublimation of Dry Ice to Carbon Dioxide gas will cause any airtight container to expand or possibly explode.

Keep proper air ventilation wherever Dry Ice is stored. Do not store Dry Ice in unventilated rooms.

Dry Ice is an asphyxiant, and the sublimated Carbon Dioxide gas will sink to low areas and replace oxygenated air.



Q. DOES DRY ICE MELT?

Dry Ice is so-called as it does not have a liquid state, i.e. it does not melt. Instead, from the minute it is made, the Dry Ice is all the time slowly reverting back to its original gas form.



Q. WHAT SAFETY PRECAUTIONS SHOULD I TAKE?

- Wear insulated gloves (preferably with a closed cuff) when handling the dry ice.
- Wear eye protection if breaking up larger pieces of dry ice such as blocks or slices.
- Store the box of Dry Ice in a well-ventilated room to prevent the build up of CO₂ in the air.

Normal air is 78% Nitrogen, 21% Oxygen and only 0.035% Carbon Dioxide. If the concentration of carbon dioxide in the air rises above 0.5%, carbon dioxide can become dangerous.

If you start to pant and breathe quickly this is an indication that there is too much CO₂ in the room. Dry Ice CO₂ is heavier than air and will accumulate in low spaces; hence the ventilation should be located at a lower level in the room. Do not enter closed storage areas where dry ice has been, or is currently being stored before airing out the storage area completely.

Q. DO YOU DELIVER OR CAN I COLLECT?

Dublin Area: Next-day delivery Monday through to Friday (Delivery is with Expert Air Couriers)

Nationwide: Next-day delivery: Tuesday through to Friday (Delivery is with DPD Couriers)

Saturday deliveries are available at additional cost.

You are also welcome to collect (orders must be phoned in before collection) from one of our depots:

- Santry in Dublin
- Little Island in Co. Cork
- Portadown in Co. Armagh
- Portarlinton, Co. Laois (main manufacturing premises)

If you would like to discuss delivery or collection options or should you have any other questions please don't hesitate to contact us directly.

IMPORTANT TIPS TO REMEMBER

SAFETY FIRST

DO NOT eat
DO NOT put loose Dry Ice into drinks
DO NOT touch with bare hands
DO NOT store in airtight container
DO NOT inhale
KEEP OUT OF REACH OF CHILDREN

DISPOSAL & TILE COUNTERTOPS

Unwrap and leave the Dry Ice at room temperature in a well-ventilated area. It will sublime from a solid to a gas. Do not leave Dry Ice on a tiled countertop as the extreme cold could crack it.

SLIPPERY FLOORS

Beware that prolonged use of dry use of dry ice fog will leave surfaces damp or wet, which may lead to slippery surfaces. Make sure surfaces are made safe.

BUY ONLINE AT

 [DRYICE.IE](https://www.dryice.ie)

PolarIce Ltd

If you have any queries relating to health and safety, please contact your Dry Ice supplier at once.

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