



4 Emergencies

What is a Cooling Crisis? _____

Your refrigeration equipment is unable to maintain a specific temperature due to external factors that are beyond your control.

What can cause a Cooling Crisis? _____

Power outages from Eskom or your local city council for longer than six hours;
Catastrophic failures of refrigeration equipment;
Cooling water failures due to breakdowns or water shortages;
Peak season demand;
Extreme summer temperatures; or
Natural disasters.

Our solution to your Cooling Crisis _____

Dry ice can keep perishable products at temperatures below freezing point for extensive periods.

What is dry ice? _____

It is frozen carbon dioxide (CO₂).
The temperature of dry ice is -80 °C.
It is a non-toxic, non-flammable, food-grade product.
It sublimates from a solid to a gas – no liquid or water.
The sublimation creates the cooling effect.
The energy value is 570 kJ/kg.

How to use Dry Ice _____

Place on top of perishable products, as the cold gas is heavier than air and will therefore flow down through the product.

Where can I obtain Dry Ice? _____

National distribution network: 24 hours / 7 days per week / 365 days per year
All hours: +27 (0)10 040 3201
info@dryice.co.za - www.dryicesouthafrica.co.za



DRY ICE 4 FRIDGES & FREEZERS

HOW MUCH DRY ICE DO I NEED?

Time period: 24 hours (multiply by 2 for each extra day)

Note: Perishable product is already at ambient temperature

VOLUME (litres)	TEMPERATURE (°C)	KG DRY ICE
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FRIDGE:

100	+4	1
200	+4	2
400	+4	4
1000 (1 m ³)	+4	10

FREEZER:

100	-20	3
200	-20	6
400	-20	10
1000 (1 m ³)	-20	20

ISLAND FREEZER:

1000	+4	10
1000	-20	20

UPRIGHT FRIDGE - OPEN DISPLAY SHELVES

Per 1 m shelf	+4	5
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FREEZER ROOMS:

100 m ³	-20	100
300 m ³	-20	300
1000 m ³	-20	1000

24 HOUR EMERGENCY ORDERS:

083 375 6627

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Safety Warnings

- Not for human consumption
- Handle only with protective gloves or mitts
- Transport only in complete isolation from driver
- Do not place dry ice in any gas-tight container
- Keep away from children (adult supervision is required)

Our Company

Dry Ice International has been recognised as the leader in dry ice manufacturing, distribution and dry ice blast cleaning in South Africa, as well as other parts of Africa since 1994. We are known for our dedicated national client service, creativity, innovation and highly qualified and skilled personnel.

From dry ice refrigeration to industrial blast cleaning solutions, we look forward to serving our clients in the same dedicated manner while being at the forefront of engineering to create even more user-friendly dry ice applications.



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