#### CRYONITE

#### Insecticide Liquid C0<sub>2</sub> DEVICE

#### COMMERCIAL USE

#### WARNING: PRODUCT UNDER PRESSURE

#### READ THE LABEL AND MANUAL BEFORE USING.

**REGISTRATION NO.** 29573 PEST CONTROL PRODUCTS ACT

#### **NET CONTENTS:** 10 kg

REST ASSURED MC INC. 2-43 Grenfell CR Ottawa, Ontario K2G 0G3

1-877-411-0053 613-727-0999

### **PRECAUTIONS CONTENTS UNDER PRESSURE. Container may explode if heated.** KEEP OUT OF REACH OF CHILDREN.

Contact with solid or liquid carbon dioxide will result in severe burns and frostbite.

DO NOT get in eyes. DO NOT get on skin. Avoid contact with clothing.

Wear long-sleeved shirts, long pants, shoes and socks, chemical-resistant gloves, and a full face shield when applying the product. When the product is applied in enclosed spaces that can not be appropriately ventilated, also use either a NIOSH/MSHA approved supplied-air respirator, or a NIOSH/MSHA approved self-contained breathing apparatus (SCBA).

Electrical receptacles and other electrical equipment:

Caution should always be used when working in these areas. Electricity must be shut off when working on, in or around electrical apparatus. Cryonite is in itself dry, but as the surface temperature drops, condensation may form. Only the immediate surface is cooled, the cooling effect doesn't penetrate into the objects treated. The surfaces will regain ambient temperatures quickly, and any moisture will rapidly evaporate. However, caution should be shown in areas of higher humidity. Do not use directly on sensitive equipment, screens or digital displays.

Exposure may result in suffocation or death. Work spaces adjacent to treatment area should be monitored for carbon dioxide.

After treatment, aerate treated areas until the level of  $CO_2$  (as measured by a CSA approved  $CO_2$  detection device capable of providing accurate measurements from below 5000 ppm to at least 30 000 ppm) is <u>below 5000 ppm</u>.

Re-entry (5000-30 000 ppm  $CO_2$ ): If  $CO_2$  levels are between 5000 and 30 000 ppm, workers may reenter the treated area without respiratory protection for 15 minutes or less. For periods longer than 15 minutes, use either a NIOSH approved supplied-air respirator or a NIOSH/MSHA approved selfcontained breathing apparatus (SCBA) with a full face shield.

If CO<sub>2</sub> levels are over 30 000 ppm or are unknown, re-entry into the treated area is not permitted.

A self-contained breathing apparatus should always be available for emergency use.

All persons working with this product should be knowledgeable of this chemical's hazards, in the use of required respirator equipment and detector devices, in emergency procedures and in the use of the product. When used for treatment of enclosed spaces, two persons familiar with the use of this product must be present during introduction of the pesticide, initiation of aeration and after aeration when testing for re-entry. Two persons do not need to be present if monitoring is conducted remotely (outside of area being treated).

Bystanders and companion pets should not be permitted post-application access to treated areas unless the concentration of carbon dioxide is at or below 5000 ppm.

#### FIRST AID INSTRUCTIONS

**IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.

Take the container label or product name and Pest Control Product Registration Number with you when seeking medical attention.

#### TOXICOLOGICAL INFORMATION

Treat symptomatically.

#### DISPOSAL

**Contents:** Bulk  $CO_2$  vessels are generally moved empty and depressurized. The usual method to dispose of unused, unwanted  $CO_2$  is to dilute it with air by venting. Care must be exercised to prevent accumulations of high concentration of vented  $CO_2$  gas in an enclosed or low lying area. This is usually accomplished by very slow venting of the  $CO_2$  to avoid a local asphyxiation hazard.

**Container:** Bulk  $CO_2$  vessels should be removed and disposed of only by qualified  $CO_2$  service personnel. Return empty  $CO_2$  cylinders for re-use or disposal. When cylinder is empty, close valve, screw safety cap onto valve outlet and replace protection bonnet before returning to shipper. Only the registrant is authorized to refill cylinders. Do not use cylinders for any other purpose. Follow registrant's instruction for return of empty or partially empty cylinders.

#### STORAGE

Do not contaminate water, food or feed by storage or disposal. Store in bulk  $CO_2$  vessels that are permanent or semi permanent installations or in approved  $CO_2$  cylinders. Store cylinders in a dry, cool, well-ventilated area under lock and key. Placard as a pesticide storage area. Store cylinders upright and secured to a rack or wall to prevent tipping. Cylinders should not be subjected to rough handling or mechanical shock such as dropping, bumping, dragging or sliding. Do not use rope slings, hooks, tongs or similar devices to unload cylinders. Transport cylinders using a hand crank or fork truck to which the cylinder can be firmly

secured. Do not remove valve protection bonnet and safety cap until immediately before use. Replace safety cap and valve protection bonnet when cylinder is not in use.

#### SPILL AND LEAK PROCEDURE

Evacuate the immediate area where the leak has occurred. Use SCBA or combination air supplied/ SCBA respirator for entry into affected area to correct problem. Move leaking or damaged cylinders outdoors to an isolated location, observing strict safety precautions. When completely empty, return to manufacturer if instructed or dispose of leaking or damaged cylinders or containers in accordance with Provincial and Local waste disposal regulations. Do not permit entry into spilled area by unprotected persons until concentration of carbon dioxide is determined to be less than 5000 ppm.

#### LEAKING BULK CO2 VESSEL OR ITS ATTACHED PIPING

In the event of a leakage from a bulk  $CO_2$  vessel or its attached piping, close the upstream valve to isolate the leaking section. Depressurize the affected section and remove or repair the leak. If shutting off the valves at the vessel fail to stop the leakages, contact the local  $CO_2$  service personnel to pump out or unload the vessel before proceeding with repairs.

#### LEAKING OR DAMAGED CYLINDERS

Move leaking or damaged cylinder outdoors or to an isolated location, observing strict safety precautions. When completely empty, return to manufacturer if instructed or dispose of leaking or damaged cylinders or containers in accordance with Provincial and Local waste disposal regulations. Do not permit entry into spill area by unprotected persons until concentration of carbon dioxide is determined to be less than 5000 ppm.

#### NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

#### **DIRECTIONS FOR USE:**

Indoor Use Only.

Cryonite kills flour beetles, cockroaches and bed bugs in structures such as food manufacturing facilities, factories, health care facilities (e.g., hospitals), educational institutions (e.g., universities,

colleges), transport vehicles (e.g., boats, trucks, trains, airplanes), hospitality facilities (e.g., hotels, motels, inns, bed and breakfasts, hostels), commercial buildings (e.g., restaurants, malls, movie theatres, stores, offices) and residential buildings (e.g., homeless shelters, houses, apartments). Cryonite may also be used on furniture, machinery and electrical equipment.

The Cryonite system consists of a trolley, hose, the lance, the jet nozzle, the grounding cable and a  $CO_2$  cylinder. Listed insect pests are killed by freezing when they come in contact with the  $CO_2$  dry ice particles (snow) delivered by the Cryonite system. Larger insect pests may require more freezing power. Freezing power can be adjusted by putting more or less pressure on the trigger mechanism of the device. Cryonite should be directly applied to the listed insect pests. It has no residual activity.

It is important that the snow layer is not too thin or too thick. If the snow is too thin, the temperature is not cold enough to kill. If the snow is too thick, the snow will work as an insulator trapping a layer of gas under the snow. The temperature will not be reduced enough and insects will not be killed. Thick layers also cause unnecessarily deep chilling of materials, possibly causing a moisture or material problem. When applying to cracks and crevices, avoid applying a thick layer because the entrance to the crack or crevice will be filled with snow and it will not allow a second application to be applied. Insects trapped behind the snow will not be killed.

As a guideline, the layer of snow should be gone in 20-30 seconds. It's better to apply two or three times immediately one after another than apply once in one thick layer. Apply by moving the nozzle back and forth motion, rather than just once slowly. When using the standard nozzle, the ideal spraying distance is usually 10-20 cm from the target site but this can be varied depending on the individual characteristics of the environment being treated.

Target insects located in areas inaccessible to Cryonite will not be killed. Cryonite cannot penetrate through thick layers of dust or previously applied layers of Cryonite snow. It is essential that the area be cleaned prior to treatment. As a result of the high pressure, Cryonite may also contribute to cleaning by blowing dirt out of inaccessible areas. Cleaning helps against re-infestation by listed pests.

The jet nozzle can be used in confined and hard-to-reach spaces. The jet nozzle can also be used to clean and remove breeding places that are difficult to reach. Don't use the jet nozzle if you don't have to. The snow quality of the standard nozzle is better and the penetration in cracks and crevices is still very good.

Cryonite should be used in conjunction with other pest control practices (e.g., vacuuming, sanitation). It is important to be thorough and systematic. Remember to use good pest control practices including:

- 1. Inspect look for all possible hiding places, or traces of activity.
- 2. Clean those areas. Use a vacuum cleaner if appropriate.
- 3. Treat insect harborages with Cryonite, for example, cracks, crevices, pallets, under bags etc.
- 4. Evaluate the findings and review the frequency of cleaning procedures.
- 5. Monitor on a regular basis.

6. Repeat if pests continue to be a problem.

Insects may be moved by the gas pressure produced by Cryonite. Releasing the amount of pressure being applied to the trigger of the device by half may reduce this problem.

To determine whether it is safe to treat an object, apply Cryonite in a small, inconspicuous area prior to treating the entire surface.

<u>Bed bugs</u>: Bed bugs are difficult to control. Treat the infested area with Cryonite. Wait 20 minutes and re-treat for any additional bed bugs that come out of hiding. A registered pest control product to provide additional control may be necessary.

#### Cockroaches:

German cockroaches are killed at all stages. It may be more difficult to kill adults of larger cockroach species.

# WARNING !

You must read these safety guidelines before using Cryonite equipment.

# **CRYONITE®** Safety Guidelines

Please read the chapter about safety in the user manual and label before using the system.

- □ Follow local safety guidelines issued by your local CO<sub>2</sub> supplier about transporting and handling the CO<sub>2</sub> cylinder.
- Electrical receptacles and other electrical equipment:

Caution should always be used when working in these areas. Electricity must be shut off when working on, in or around electrical apparatus. Cryonite is in itself dry, but as the surface temperature drops, condensation may form. Only the immediate surface is cooled, the cooling effect doesn't penetrate into the objects treated. The surfaces will regain ambient temperatures quickly, and any moisture will rapidly evaporate. However, caution should be shown in areas of higher humidity. Do not use directly on sensitive equipment, screens or digital displays.



# **Getting Started with Cryonite**

Thank you for choosing Cryonite. This introduction shows you how to get started using and getting the most value out of the Cryonite system. Please note that Cryonite is used in a very different way compared to chemicals, so please forget your current practices and pay detailed attention to the enclosed documentation including the user manual and label.

To get started, please follow these simple steps:

#### **1. ASSEMBLE TROLLEY**

For transport cost reasons, the trolley is shipped ready to assemble and comes in 9 pieces:

- The upper part
- $\square$ The wheel base
- $\square$ Two wheels
- Two washers
- Two screws
- Strap

To assemble the trolley, please follow these three simple steps:



1.Mount the wheels using the included M6 x 10 mm screws and washers. Use a 6 mm hex key to tighten the screws firmly.

2.Attach the upper part to the the end of the upper part. Attach the upper part to the wheel base and press until you hear a click and the knobs have hooked on to the wheel base.



**GETTING STARTED-1** 



#### 2. GET CO<sub>2</sub> CYLINDER(S) FROM LOCAL SUPPLIER

#### Requirements on the CO<sub>2</sub> cylinder

**Gas:** You can use any pure  $CO_2$  gas in cylinders with room temperature (sub-zero cryo-gas gives a poor effect). A technical grade of 99.5% purity or better is very good. If you can find gas only of lower purity - check with us.

**Cylinder:** The cylinder *must have* a "dip-tube". For explanation see below "Why don't I get any snow". That is the only must. But of course size matters. Usually cylinders with dip-tube don't come in many sizes. Our own trolley is made for a size we find to have a good ratio of weight / usage time. It is a 13.5 liter, 10 kg net  $CO_2$ , diameter 20.5 cm (the trolley can handle max 23 cm), and height to shoulder (below the valve) 52-62 cm. The valve adds about 15 cm. Available sizes vary between countries.

**Coupling:** The gun is connected to the cylinder with a hose, which we also supply. The connection on the cylinder needs to be the right one, for the hose to fit. Our standard hose fits the European DIN 477 nr 6 / SN 219505 Type 7, as well as the British variant thereof British Standard 341 Part 1 (.860 in x 1/14 in W) / BS341 No. 8. This standard is the most common throughout the world. We can alternatively supply a hose for the US standard, i.e. CGA 320.





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**CTS Technologies AG** 

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# The CRYONITE® equipment

The equipment consists of a trolley, a lance with trigger mechanism, a pressure hose, and a gas cylinder, typically containing 10 kg CO<sub>2</sub>.

#### Trolley

The trolley has straps for the gas cylinder, one  $CO_2$  hose, one earth cable for static electricity reduction and a jet nozzle. It also has clips to hold the lance, jet nozzle (picture) and spanner, and hooks for winding the hose and earth cable.

#### The hose

The hose is four metres long, has connections for the gun on one end, and connections for the cylinder on the other. The hose is temperature and pressure resistant.

#### The lance

The secret of Cryonite is in the nozzle, which has been developed to create the optimum quality of  $CO_2$  snow. The ergonomic telescopic lance has a variable trigger mechanism allowing Cryonite delivery at different rates to suit the situation. It also has a security lock for the trigger.

#### The jet nozzle

To produce high speed snow. This is useful when it comes to cleaning in hard to reach areas. Do not use for most applications of Cryonite (Refer to the Directions for Use).

#### The earth cable

While working with Cryonite, you may get some static electricity build-up. The steel cable will lead the static away. You'll only need it when using Cryonite near electronics (integrated circuits). See the "Safely working" section.

#### The cylinder

It's important to use the right type of  $CO_2$  cylinder – one that has a dip tube inside! The dip tube is needed because Cryonite uses the  $CO_2$  in liquid form, otherwise it will not produce snow. If there are problems with snow production - always check the cylinder first. Cylinders come in various shapes and sizes. Check with the supplier.

# How does CRYONITE<sup>®</sup> work?





#### Making the snow

The  $CO_2$  is in a liquid form in the tube and will come out frozen (snow) from the nozzle. About half of the CO2 will become cold gas, blowing the snow into the hiding places of the target pest.

The  $CO_2$  snow made by CRYONITE is a mixture of particles with different sizes and speeds. This mix forms a snow with good freezing qualities to kill listed insect pests.

#### Killing the pests

When the  $CO_2$  snow hits surfaces at normal temperatures it evaporates (sublimates) and becomes  $CO_2$  gas. During this process energy is required and this heat energy is extracted from the immediate surroundings. If insects are part of the immediate surroundings the energy is taken from them and extreme cooling results, the water in their cells crystallizes to ice, killing the insects. Materials will only be chilled on the surface. Most materials have the ability to transport energy from their larger mass, which results in relatively small drops in temperature here.

When the pest is deep frozen, it has to stay frozen for a short while. Cryonite's particles are optimized for reaching the pest, and clinging to it.

# Directions for Use (Indoor Use Only).

Cryonite kills flour beetles, cockroaches and bed bugs in structures such as food manufacturing facilities, factories, health care facilities (e.g., hospitals), educational institutions (e.g., universities, colleges), transport vehicles (e.g., boats, trucks, trains, airplanes), hospitality facilities (e.g., hotels, motels, inns, bed and breakfasts, hostels), commercial buildings (e.g., restaurants, malls, movie theatres, stores, offices) and residential buildings (e.g., homeless shelters, houses, apartments). Cryonite may also be used on furniture, machinery and electrical equipment.

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nozzle back and forth motion, rather than just once slowly. When using the standard nozzle, the ideal spraying distance is usually 10-20 cm from the target site but this can be varied depending on the individual characteristics of the environment being treated.

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Cryonite should be used in conjunction with other Cryonite User Manual pest control



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practices (e.g., vacuuming, sanitation). It is important to be thorough and systematic. Remember to use good pest control practices including:

- 1. Inspect look for all possible hiding places, or traces of activity.
- 2. Clean those areas. Use a vacuum cleaner if appropriate.
- 3. Treat insect harborages with Cryonite, for example, cracks, crevices, pallets, under bags, etc.
- 4. Evaluate the findings and review the frequency of cleaning procedures.
- 5. Monitor on a regular basis.
- 6. Repeat if pests continue to be a problem.

Insects may be moved by the gas pressure produced by Cryonite. Releasing the amount of pressure being applied to the trigger of the device by half may reduce this problem.

To determine whether it is safe to treat an object, apply Cryonite in a small, inconspicuous area prior to treating the entire surface.

Bed bugs: Bed bugs are difficult to control. Treat the infested area with Cryonite. Wait 20 minutes and re-treat for any additional bed bugs that come out of hiding. A registered pest control product to provide additional control may be necessary.

Cockroaches: German cockroaches are killed at all stages. It may be more difficult to kill the adults of larger cockroach species.

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Safely working with CRYONITE<sup>®</sup>

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This chapter and the label explain how to work safely with  $CO_2$ , transporting  $CO_2$  and the Cryonite system.

#### Safely using CRYONITE

Along with the safe use of  $CO_2$  there are other issues, which are important when using Cryonite.

#### a. The gun and nozzle

The end of the gun, near the nozzle, can get very cold when using the equipment. This can be seen as frost on the nozzle. For unscrewing the nozzle and switching to the jet nozzle, wait until the frost has evaporated, or use insulating gloves when changing the nozzle.

#### b. The cylinder

Depending on the type of cylinder to be used, always keep in mind the weight of the cylinder.

#### c. The snow

The snow has a temperature of -78.5oC (-110 °F). The snow comes out of the gun at different speeds. The speed depends on the pressure put on the trigger and if the high speed nozzle is being used. The snow can bounce back from surfaces and hit eyes, nose or mouth.

Both snow and dust are especially annoying when working above shoulder height.

#### d. Static electricity

While working with Cryonite, the flow of CO<sub>2</sub> can cause a build up of static electricity. A static discharge could knock out unprotected electronics (integrated circuits). Therefore, a steel cable on the trolley is connected to the hose and the equipment to lead the static away (earth). When using Cryonite near electronics (integrated circuits) connect the clamp at the end of the steel cable to the machine or surface you are working on. You won't need it when you apply CRYONITE on drains, carpet floors, walls etc.



Safely transporting CRYONITE<sup>®</sup> and  $CO_2$ 

The transport of  $CO_2$  should always comply with local regulations; federal as well as national. If you still are uncertain, please contact the local Linde Gas company. For safe transport it is always best to secure the equipment and bottles in an area separated from the driver.

The transport of  $CO_2$  is described in the material safety data sheet under section 14. Before transporting the equipment always make sure that the trolley is secured and that the fragile parts don't get damaged. Especially the gun should be secured to prevent damage. The hose should be disconnected to avoid transport damage - as it operates under very high pressure.

#### Question: Why don't I get any snow?

<u>Answer:</u> You probably have the wrong cylinder. The cylinder is filled with liquid  $CO_2$ , but above the liquid surface, at the top, there is gas. Without dip tube, gas will reach the gun instead of liquid  $CO_2$ . Cryonite only works with liquid  $CO_2$ . Check with your local gas supplier that you are supplied with the right cylinder.

Question: Why do I have a gas leak at the bottle?

<u>Answer:</u> Check if the washer ring is in place and in good condition. The washer ring stops the hose-bottle connection leaking. If not; replace with a new ring.

Question: Why does the connection get cold?

<u>Answer:</u> In the hose, there is a little turbulence, making the connection slightly cold, but this has no effect on the snow or the working quality of the snow.

Question: I can not connect the gun to the hose!

<u>Answer:</u> You have probably connected the hose to the cylinder and opened the valve already. The pressure in the hose stops you from connecting it to the gun. Action: close the valve of the cylinder, release the pressure in the hose by unscrewing the hose-nut by the cylinder about half a turn. When the pressure is gone, tighten again. Connect the hose to the gun, and open the valve again.

Question: When should I use the jet nozzle?

<u>Answer:</u> Use the jet nozzle only when it is warranted. The standard nozzle has a better killing effect and still has good penetration in cracks. The high speed nozzle should be used for extremely deep cracks. It will also blow out filth in cracks while treating for pests.

Question: When using the high speed nozzle, it sometimes freezes?

<u>Answer:</u> The high-speed nozzle is not meant for continuous use. Action: when this occurs, wait for 20-30 seconds, or until the snow/ice has evaporated and try again.

Question: Why does the snow stay so long on the surface?



Cryonite User Manual

Too much snow



Answer: This can have several causes:

- The snow layer is too thick.

- The surface is insulating; with insulating materials the snow stays longer on the surface. For example, in carpets and light materials (flour) there is a lot of air. Air is a good insulator / poor energy provider and the snow will remain longer.

Question: Can I spray on any surface / material?

<u>Answer:</u> Yes, you can use Cryonite on almost every material. To determine whether it is safe to treat an object, apply Cryonite in a small, inconspicuous area prior to treating the entire surface. Do not apply to plants, non-target animals, pets or people.

Question: Does the surface get wet when applying Cryonite?

<u>Answer:</u> No, not from the CO<sub>2</sub>. The snow converts directly from a solid to gas, there is no liquid phase. However, when the surface gets cold, it will attract moisture out of the air. As the materials are only cold on the surface, they will regain their usual temperature, and any moisture will evaporate quickly. Be careful in very moist surroundings. See "Safely working".

Question: Can I use it on electric installations?

<u>Answer:</u> Yes.  $CO_2$  is safe to use with electric equipment. But when too much is used, moisture can be created and a bridge can form for transporting electricity. For maximum safety: switch the electricity off first. See "Safely working".

Question: Do I always have to use the earth connector?

<u>Answer:</u> No, not always, in fact, mostly not. The earth connector will reduce static charge build-up. Use it when applying on targets containing electronics (integrated circuits) as these can be damaged by a static discharge. See also "Safely working".

Question: How cold does it get?

<u>Answer:</u> The snow itself is -78.5 °C (-110 °F). However, the actual temperatures at the site of application can be higher, depending on where it is applied (e.g., -20 to -62°C). Factors such as how the spraying is done and the type of surface being treated will impact the temperature at the site of application. As freezing is so rapid, a kill will be accomplished at these temperatures.

Question: How heavy is the machine?

Answer: The gun itself weighs about 1 kg, the hose and trolley 12 kg. The weight

of the cylinder depends on its size. An aluminum cylinder containing 10 kg CO<sub>2</sub> weighs about 25 kg.

#### Question: How much gas is left in the bottle?

Answer: The only way to be certain is to weigh the bottle. The empty weight (Tara) is stamped on the bottle. The last kg or so *Cryonite User Manual* of the CO<sub>2</sub> cannot be used.

Question: How long does a bottle last?

<u>Answer:</u> A standard bottle of 10 kg / 20 lb  $CO_2$  will last for about 10 minutes of continuous spraying on full throttle. As you will be using it by spraying in bursts, shorter and longer, the actual using time will vary depending on targets. The same goes for area covered.

Question: How do I store the cylinders?

<u>Answer:</u> Keep the cylinder in storage under 30 °C (85 °F). The recommended temperature is about 15-25 °C (60-75 °F). This temperature is also important when transporting the cylinder. This normally has nothing to do with the safety of the CO<sub>2</sub>, but if the temperature in the cylinder exceeds 50 °C (120 °F) the security valve may open, as the pressure in the cylinder gets too high. A hot cylinder can also affect the snow-quality, i.e. its rapid freezing properties. Never leave the cylinder in direct sun exposure (either outside or in the car); the cylinder is heated quicker by sun-rays than by hot surroundings.

Tip: for use in factories, store the cylinders in cool rooms, and leave the transport of the cylinders to the gas company.

### Handling CRYONITE<sup>®</sup>

#### Before use

Make sure that the cylinder is tightened to the trolley. Ensure that hose to the handle connection is secure and that the locking ring is



in the locked position (fig.). Check that the nuts are securely tightened. The nut on the front edge of the nozzle must also be tight; tighten this only by hand. Open the tap on the gas cylinder fully. NB: The equipment is now pressurized. Push the security lock forwards to unlock (fig). Ready!

#### Jet nozzle

The jet nozzle should be inserted in the standard nozzle. First unscrew the frontend nut. Insert the jet nozzle. Refit the nut (fig.). Only use hand-power. If you insert it and there is still snow in the standard nozzle, the jet nozzle may become plugged. Remove it and let the snow evaporate.

#### After use

After use, the cylinder tap must always be shut off. Empty hose and lance of gas by pressing the trigger. Relock the security lock. Note that the lance should only be released from the hose once the hose has been emptied of gas.

#### Change of gas cylinder

Ensure that the tap on the gas cylinder is closed. Empty hose and lance of gas by pressing the trigger. Loosen the connecting nut at the cylinder with a box wrench (fig.). Loosen cylinder straps. Replace cylinder. Tighten straps. Attach connecting nut and tighten. Open tap.

### **Comments are welcome**

If you think something is missing, or too much of, wrong or even right - any comments about this manual are most welcome. Also, if you would like to make a manual to suit your special needs (field use, brush-up, education, supervisor, executive, customer-oriented), we would be happy to assist. Please let us know.

### Contact

Customer Support CTS Technologies AG Bahnhofstrasse 14 6340 Baar, Switzerland Tel: +41-41 761 5090 Fax: +41-41 761 5091 info@cryonite.com

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www.cryonite.com

Safety Data Sheet (see document named Label\_draft\_2)

#### \*\*\*\*\*\*

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.