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71413-1

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# Canadian Miraclean Products Ltd.

## Chlorine

LIQUEFIED GAS UNDER PRESSURE  
NON FLAMMABLE

**ACTIVE INGREDIENT:**

Chlorine ..... 99.9%

**INERT INGREDIENTS:** ..... 0.1%

Total: ..... 100.0%

**DANGER**



**POISON**

**HAZARDOUS LIQUID AND GAS UNDER PRESSURE  
MAY CAUSE CHEMICAL PNEUMONIA AND EVEN DEATH IN HIGH CONCENTRATIONS  
MAY CAUSE SEVERE IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT  
LIQUID MAY BURN EYES AND SKIN  
CAN REACT EXPLOSIVELY WITH ORGANIC PRODUCTS**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**Danger.** Fatal if inhaled. Do not breath air containing this gas. Do not get in eyes, on skin, or on clothing. Corrosive to eyes, skin and mucous membranes in presence of moisture. Do not handle or use until manufacturer's Material Safety Data Sheet has been read and understood. Wear face shield, goggles and rubber gloves when handling. Use NIOSH/MSHA approved respirator and local exhaust ventilation where vapor may be generated.

**ENVIRONMENTAL HAZARDS**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**CHEMICAL-PHYSICAL HAZARDS**

Chlorine is a non-flammable gas, liquified, under pressure. Do not drop container. Do not heat container. Avoid contact with organic products to prevent explosive reaction. Corrosive to most metals in presence of moisture.

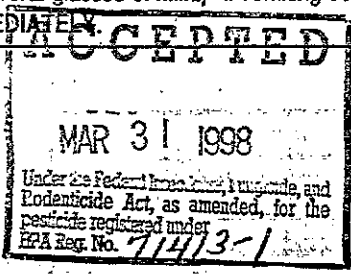
**STATEMENT OF PRACTICAL TREATMENT  
(FIRST AID)**

**FOR EYES:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of entire eye surface. Washing eyes within several seconds after exposure is essential to achieve maximum effectiveness. **SEEK MEDICAL ATTENTION IMMEDIATELY.**

**SKIN:** Treat for inhalation first. Remove contaminated clothing under safety shower. Flush exposed skin with water. Wash with soap and water. If irritation is present after washing, **GET MEDICAL ATTENTION.**

**INHALATION:** Remove to fresh air. Administer oxygen until victim breathes easily. Keep warm and at rest. In mild cases, give milk to relieve irritation. **DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION AS SOON AS POSSIBLE.**

**INGESTION: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.** If swallowed, **DO NOT INDUCE VOMITING.** Give large quantities of water. (If available, give several glasses of milk.) If vomiting occurs spontaneously, keep airway clear and give more water. **SEEK MEDICAL ATTENTION IMMEDIATELY.**



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### DIRECTIONS FOR USE GENERAL CLASSIFICATION

It is a violation of Federal law to use this product in a manner inconsistent with the labeling.

**USE AS A DISINFECTANT**, by experienced personnel only, in municipal water supplies, sewage and waste management plants, in accordance with applicable local, state and federal regulations. Handle and use only in accordance with practices recommended in the Chlorine Manual published by the Chlorine Institute, Inc., Washington D.C.

**USE IN MANUFACTURING PROCESSES**, by trained personnel only, in manufacture of pulp and paper, household bleach, organic and inorganic chlorides, titanium, PVC, refrigerants, pharmaceuticals, and many other industrial uses. Proper training in safety and use of protective equipment are essential. Well designed and maintained handling and processing facilities are required.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Storage:** Do not place chlorine containers near heat or fire. Store remote from other chemicals. Cylinders should be stored in a dry area away from sources of heat and protected from direct sunlight and precipitation. Cylinders must not be stored where they will be exposed to temperatures warmer than 54.5°C (130°F). They should be segregated from other compressed gasses and never stored near hydrocarbons, finely divided metals, turpentine, ether, anhydrous ammonia or other flammable materials. All cylinders must have a weather resistant label attached near the outlet valve and must not be accessible to the public.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** Return empty chlorine containers containing residual gas and/or liquid to the supplier in accordance with applicable DOT regulations. All valves must be closed tight and closures or caps secured. If container is damaged, or if the contents are leaking notify the supplier immediately. It is illegal to ship a leaking chlorine container.

**Handling:** Provide special training to workers handling chlorine. Handling and storage of chlorine containers should be in accordance with local, state and federal regulations. Regularly test and inspect piping and containment used for chlorine service. Liquid levels should be 85% of tank or cylinder capacity.

**In the Event of Fire:** Remove chlorine containers from fire zone immediately. Use water to keep containers cool which cannot be moved, but do not use water on source of a chlorine leak. Use water spray to direct chlorine away from persons affecting shut-off. Wear full protective clothing and self-contained breathing apparatus.

FOR ASSISTANCE IN CHEMICAL EMERGENCY,  
CALL CHEMTREC 800-424-9300

Spills of 10 pounds or more must be reported to the  
NATIONAL RESPONSE CENTER 1-800-424-8802

UN 1017  
HMIS HAZARD RATING  
HEALTH 3  
FLAMMABILITY 0  
REACTIVITY 0

CAS No. 7782-50-5

APPROXIMATE NET CONTENTS: 150 lbs. or 2000 lbs.

EPA REG. NO. 71413-1 71413-R  
EPA EST. NO. 71413-CAN-001

Canadian Miraclean Products Ltd.

12431 Horseshoe Way,

Richmond, British Columbia V7A 4X6

Canada

ACCEPTED

MAR 31 1998

Under the Federal Insecticide, Fungicide, and  
Rodenticide Act, as amended, for the  
pesticide registered under  
EPA Reg. No. 71413-1