

SCOTT SPECIALTY GASES -- CHLORODIFLUOROMETHANE -- 6830-00-174-9677

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Product Identification  
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Product ID:CHLORODIFLUOROMETHANE

MSDS Date:04/01/1992

FSC:6830

NIIN:00-174-9677

MSDS Number: BTRTL

=== Responsible Party ===

Company Name:SCOTT SPECIALTY GASES

Address:ROUTE 611 NORTH

Box:D-11

City:PLUMSTEADVILLE

State:PA

ZIP:18949

Country:US

Info Phone Num:215-766-8861

Emergency Phone Num:215-76

6-8861

CAGE:51847

=== Contractor Identification ===

Company Name:SCOTT SPECIALTY GASES

Address:6141 EASTON RD (6141 ROUTE 611)

Box:310

City:PLUMSTEADVILLE

State:PA

ZIP:18934

Country:US

Phone:215-766-8861/ FAX: 215-766-0416

CAGE:51847

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Composition/Information on Ingredients  
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Ingred Name:CHLORODIFLUOROMETHANE

CAS:75-45-6

RTECS #:PA6390000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9394

Ozone Depleting Chemical:2

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50 INHAL MOUSE IS 28PPH/30M

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHAL:MAY CAUSE

ASPHYXIATION,ANESTHETIC.SKIN:MAY CAUSE FROSTBITE.EYES:MAY CAUSE  
FROSTBITE.INGEST:UNLIKELY ROUTE OF EXPOSURE.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NT  
P,IARC OR OSHA.

Effects of Overexposure:INHAL:STIMULATION FOLLOWED BY CNS

DEPRESSION,DIZZINESS,DISORIENTATION,NAUSEA,VOMITING,HEADACHE,CONFUS  
ION.HIGHER CONCENTRATIONS MAY CAUSE HEART  
ARRYTHMIAS.SKIN:FROSTBITE.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING

RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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===== First Aid Measures =====

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.GET MEDICAL  
ASS

ISTANCE.EYES:FLUSH WITH WATER FOR 15 MINUTES.GET MEDICAL  
ASSISTANCE.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL  
RESPIRATION IF NEEDED.INGEST:NOT LIKELY TO BE NEEDED.

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===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER  
FOG.

Unusual Fire/Exp

losion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC

FUMES.CONTAINER MAY RUPTURE FROM HEAT OF FIRE.

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===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE AREA.THIS ITEM DEPLETES THE OZONE  
LAYER;IT SHOULD NOT BE RELEASED INTO THE ATMOSPHERE.

Neutralizing Agent:NONE

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN WELL VENTILATED AREAS.KEEP  
VALVE PROTECTION CAPS ON THE CYLINDERS

UNTIL THEY ARE USED.SECURE

CYLINDERS.USE HAND TRUCKS FOR MOVING CYLINDERS.

Other Precautions:MAKE CERTAIN THAT ALL CYLINDERS ARE PROPERLY

LABELLED.REFILLING SHOULD BE PERFORMED ONLY BY QUALIFIED PERSONNEL.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN  
ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL)  
VENTILATION TO

MAINTAIN TLV/PEL.

Protective Gloves:USE WORK GLOVES FOR HANDLING CYLINDERS.

Eye Protection:SAFETY GLASSES

Other Protective Equipment:SAFETY SHOES WHEN HANDLING CYLINDERS.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS MATERIAL.

Supplemental Safety and Health

USE PROPERLY RATED GAS PRESSURE REGULATORS.MAKE SURE THAT THEY SPECIFY  
THAT REGULATOR MATERIALS ARE COMPATIBLE FOR SERVICE WITH  
CHLORODIFLUOROMETHANE.

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===== Physical/Chemical Properties =====

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HCC:G3

Boiling Pt:B.P. Text:-41F,-41C

Vapor Pres:9.37

Vapor Density:3.11

Spec Gravity:1.413

Evaporation Rate & Reference:>1 CARBON TETRACHLORIDE=1

Solubility in Water:SLIGHT;0.3%

Appearance and Odor:LIQUIFIED GAS;COLORLESS;SLIGHT ETHEREAL ODOR.

Percent Volatiles by Volume:100

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ALKALI,ALKALINE EARTH METALS(EG.POTASSIUM).

Stability Condition to Avoid:HIGH HEAT.

Hazardous Decomposi

tion Products:CHLORIDES,FLUORIDES,HYDROGEN  
CHLORIDE,HYDROGEN FLUORIDE,CARBONYL HALIDES.

===== Disposal Considerations =====

Waste Disposal Methods:RETURN CYLINDERS TO THE MANUFACTURER.

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