

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-75/75-71-8.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
75-71-8  
**Code:**  
M

**RTECS:**  
PA8200000  
**Code:**  
M

**Name:**  
DICHLORODIFLUOROMETHANE (SARA III)

**Other REC Limits:**  
NONE SPECIFIED

**OSHA PEL:**  
1000 PPM  
**Code:**  
M

**OSHA STEL:**  
ACGIH TLV: 1000 PPM; 9192  
**Code:**  
1 OSHA STEL:

**ACGIH TLV:**  
1000 PPM; 9192  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
NONE REQUIRED FOR NORMAL USE. FOR UNSUAL SITUATIONS, WEAR SUPPLIED-AIR RESPIRATOR OR SELF-CONTAINED NIOSH APPROVED BREATHING APPARATUS.

**Ventilation:**  
GENERAL

**Protective Gloves:**  
WEAR LEATHER GLOVES

**Eye Protection:**  
WEAR SAFETY GLASSES

**Other Protective Equipment:**  
Equipment SAFETY SHOES ARE RECOMMENDED WHEN HANDLING CYLINDERS.

**Work Hygienic Practices:**  
FOLLOW OSHA REGULATIONS FOR HANDLING CYLINDERS.

**Supplemental Safety and Health:**  
NONE SPECIFIED BY MANUFACTURER.

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50 (RAT) IS UNKNOWN

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
SKIN AND EYES: CONTACT WITH LIQUID CAN CAUSE FROST BITE, INDICATED BY PALLOR OR REDNESS, LOSS OF SENSATION AND SWELLING. INHALATION: ASPHYXIATION. THIS PRODUCT CAN CAUSE DEATH OR SERIOUS INJURY IF NOT HANDLED PROPERLY.

**Explanation Of Carcinogenicity:**  
NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

**Signs And Symptions Of Overexposure:**  
FROST BITE, PALLOR, REDNESS, NUMBNESS, BREATHING DIFFICULTIES.

**Medical Cond Aggravated By Exposure:**  
NOT KNOWN.

**First Aid:**  
INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS SPED GIVE ARTIFICIAL RESPIRATION AND PROVIDE OXYGEN. CALL PHYSICIAN. DO NOT GIVE EPINEPHRINE. SKIN OR EYE CONTACT: IMMEDIATELY BATHE FROST BITE AREA WITH LUKEWARM WATER. CALL A PHYSICIAN.

**Spill Release Procedures:**  
EVACUATE PERSONNEL. VENTILATE THE AREA AND ALLOW TO DISSIPATE.

**Neutralizing Agent:**  
NOT APPLICABLE

**Waste Disposal Methods:**  
DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH LOCAL AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
HANDLE, TRANSPORT & STORE CAREFULLY/SECURELY TO AVOID ACCIDENTAL KNOCKING OVER/SEVERE PHYSICAL IMPACTS. DO NOT EXPOSE TO DIRECT HEAT OR OVERPRESSURIZE

**Other Precautions:**  
DO NOT PUNCTURE OR DROP CYLINDERS OR EXPOSE TO EXCESSIVE HEAT. USE AUTHORIZED CONTAINERS ONLY. CYLINDERS UNDER PRESSURE, HANLE WITH GREAT CARE.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/R

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

**Extinguishing Media:**  
NONFLAMMABLE. FOR SURROUNDING FIRE USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

**Fire Fighting Procedures:**  
WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

**Unusual Fire/Explosion Hazard:**  
LIQUID AND GAS UNDER PRESSURE. HEAT OF FIRE WILL PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

## Physical/Chemical Properties

**HCC:**  
G3

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
-21F,-30C

**Melt/Freeze Pt:**

**M,P/F,P Text:**  
-252F,-158C

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN 3

**Vapor Pres:**  
70.3PSIG

**Vapor Density:**  
4.28 @ 0C

**Volatile Org Content %:**

**Spec Gravity:**  
1.325@21C.LIQUID

**VOC Pounds/Gallon:**

**PH:** N/R

**VOC Grams/Liter:**

**Viscosity:**  
N/R

**Evaporation Rate & Reference:**  
N/R (GAS)

**Solubility in Water:**  
0.008

**Appearance and Odor:**  
COLORLESS LIQUIFIED GAS WITH FAINT ETHEREAL ODOR.

**Percent Volatiles by Volume:**  
GAS

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HIGH HEAT, TEMPERATURES ABOVE 550C, LIGHTED CIGAETTES, HOT SPOTS, WELDING.

**Materials To Avoid:**  
POWDERED FORMS OF ALUMINUM, MAGNESIUM AND ZINC. ACTIVE METALS SUCH AS SODIUM, POTASSIUM AND CALCIUM.

**Hazardous Decomposition Products:**  
HALOGENS, HALOGEN ACIDS, AND POSSIBLY CARBONYL HALIDES, SUCH AS PHOSGENE.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NOT APPLICABLE

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P  
**Federal Regulatory Information:** N/P  
**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P

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WARRANTY

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