

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-75/75-68-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
75-68-3  
**Code:**  
M

**RTECS:**  
KH7650000  
**Code:**  
M

**Name:**  
CHLORODIFLUOROETHANE

**Other REC Limits:**  
NONE ESTABLISHED

**OSHA PEL:**  
NOT ESTABLISHED  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
IF VENTILATION DOES NOT MAINTAIN INHALATION EXOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

**Ventilation:**  
LOCAL EXHAUST IS ADEQUATE 4

**Protective Gloves:**  
POLYETHYLENE OR NEOPRENE

**Eye Protection:**  
SAFETY GLASSES

**Other Protective Equipment:**  
Equipment PROTECTIVE CLOTHING AND EQUIPMENT IN ACCORDANCE WITH 29 CFR 1910.133 132.

**Work Hygienic Practices:**  
WASH SKIN WITH SOAP AND WATER.

**Supplemental Safety and Health:**  
DO NOT PUNCTURE OR INCINERATE CAN. FULL OR PARTIALLY FILLED CONTAINERS ARE CONSIDERED HAZARDOUS WASTE.

## Health Hazards Data

**LD50LC50Mixture:**  
TLV 1000 PPM TWA

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

**Skin:**  
YES

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
INHALATION OF HIGH CONCENTRATIONS OF VAPOR IS HARMFUL AND MAY CAUSE HEART IRREGULARITIES, UNCONSCIOUSNESS OR DEATH. INTENTIONAL MISUSE CAN BE FATAL. LIQUID CONTACT CAN CAUSE FROSTBITE. DIRECT SPRAY IN TO EYES MAY CAUSE FROSTBITE. PROLONGED EXPOSURE ABOVE PERMISSIBLE LIMITS MAY RESULT IN KIDNEY AND LIVER DAMAGE.

**Explanation Of Carcinogenicity:**  
THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

**Signs And Symptions Of Overexposure:**  
HEART IRREGULARITIES, DEATH, FROSTBITE OF EXPOSED TISSUE.

**Medical Cond Aggravated By Exposure:**  
NONE SPECIFIED BY MANUFACTURER.

**First Aid:**  
EYES: FLUSH WITH WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. SKIN: REMOVE ALL CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. INHALATION: REMOVE FROM EXPOSURE IMMEDIATELY. IF BREATHING IS IRREGULAR OR SPED, BEGIN ARTIFICIAL RESPIRATION AND ADMINISTER OXYGEN. INGESTION: NOT CONSIDERED A POTENTIAL ROUTE OF EXPOSURE. IN ALL CASES, CONTACT A PHYSICIAN.

**Spill Release Procedures:**  
VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. CLEAN UP WITH INERT MATERIALS AND DISPOSE OF PROPERLY.

**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**  
3 PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

**Handling And Storage Precautions:**  
DO NOT STORE IN DIRECT SUNLIGHT, NEAR OPEN FLAMES OR AT TEMPERATURES EXCEEDING 120F. DO NOT SMOKE WHILE SPRAYING. USE ONLY AS DIRECTED.

**Other Precautions:**  
INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING VAPORS AND INHALING CONTENTS CAN BE HARMFUL OR FATAL.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
TCC

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/K

**Lower Limits:**  
NOT GIVEN

**Upper Limits:**  
NOT GIVEN

**Extinguishing Media:**  
USE MEDIA SUITABLE FOR SURROUNDING FIRE.

**Fire Fighting Procedures:**  
TREAT AS CYLINDERS OF COMPRESSED GAS. FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED POSITIVE PRESSURE BREATHING APPARATUS.

**Unusual Fire/Explosion Hazard:**  
CANS MAY EXPLODE WITH PROJECTILE FORCE IN FIRE.

## Physical/Chemical Properties

**HCC:**  
V2

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
NOT GIVEN

**Melt /Freeze Pt:**

**M.P/F.P Text:**  
NOT GIVEN

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
AEROSOL

**Vapor Density:**  
> 1

**Volatile Org Content %:**

**Spec Gravity:**  
> 1

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
> 1 (ETHER = 1) 5

**Solubility in Water:**  
NEGLEGIBLE

**Appearance and Odor:**  
CLEAR COLORLESS GAS, ETHEREAL ODOR

**Percent Volatiles by Volume:**  
100 %

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
OPEN FLAME, HIGH TEMPERATURES

**Materials To Avoid:**  
ALKALI OR ALKALINE EARTH METALS (EG AL, ZN, BE, ETC.)

**Hazardous Decomposition Products:**  
HYDROCHLORIC AND HYDROFLUORIC ACID AND POSSIBLY CARBONYL HALIDS

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NONE. WILL NOT OCCUR.

## 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