

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-75/75-34-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
75-34-3  
**Code:**  
M

**RTECS:**  
K10175000  
**Code:**  
M

**Name:**  
1,1-DICHLOROETHANE (ETHYLIDINE CHLORIDE)

**Other REC Limits:**  
200 PPM

**OSHA PEL:**  
100 PPM  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
810 MG/CUM  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
RESPIRATOR W/ORGANIC VAPOR CARTRIDGE.

**Ventilation:**  
GENERAL & LOCAL EXHAUST MEETING OSHA REQUIREMENTS.

**Protective Gloves:**  
SOLVENT RESISTANT, BUTYL RUBBER, VITON

**Eye Protection:**  
SAFETY GLASSES/GOGGLES

**Other Protective Equipment:**  
Equipment PROTECTIVE CLOTHING MEETING SAFETY REQUIREMENTS.

**Work Hygienic Practices:**  
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
N/K

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

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

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
YES

**IARC:**  
YES

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
INHALATION: IRRITATION, BLINDNESS, RESPIRATORY FAILURE, BURNS, DEATH. CHRONIC: POSITIVE MUTAGEN (RTECS); GASTRO-INTESTINAL, LIVER, KIDNEY, CARDIOVASCULAR SYSTEM INJURY, VISUAL IMPAIRMENT, DERMATITIS. CANCER HAZARD. 4

**Explanation Of Carcinogenicity:**  
SEE INGREDIENTS.

**Signs And Symptions Of Overexposure:**  
IRRITATION, HEADACHE, FATIGUE, DILATED PUPILS, VISUAL DISTURBANCE, SHALLOW RESPIRATION, CYANOSIS, CONVULSIONS, COMA, HYPOTENSION, NAUSEA, DROWSINESS, INTOXICATION, SEVERE DEPRESSION, COUGHING, SHORTNE SS OF BREATH, BURNING, ITCHING, REDNESS, BLISTERS ON SKIN, WATERING, SWELLING IN EYES.

**Medical Cond Aggravated By Exposure:**  
DERMATITIS, DISEASES OF EYES, LIVER, KIDNEYS, LUNGS & CARDIOVASCULAR

**First Aid:**  
EYES: REMOVE CONTACT LENSES IF PRESENT. IRRIGATE W/PLENTY OF WATER FOR 15 MINS. SKIN: IMMEDIATELY WASH W/SOAP & WATER. CONTINUE RINSING W/PLENTY OF WATER FOR 15 MINS. INHALATION: REMOVE TO FRESH AIR. HAVE TRAINED PERSON GIVE OXYGEN/CPR IF NEEDED. INGESTION: DRINK PLENTY OF WATER, INDUCE VOMITING. DON'T ATTEMPT TO GIVE FLUIDS/INDUCE VOMITING IF UNCONSCIOUS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
WEAR PROTECTIVE EQUIPMENT. SMALL: ABSORB ON PAPER, VERMICULITE/OTHER ABSORBENT. COLLECT & STORE IN CLOSED CONTAINER FOR DISPOSAL.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
INCINERATE AT AN APPROVED FACILITY IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
AVOID ALL INHALATION & CONTACT. KEEP IN A TIGHTLY CLOSED CONTAINER AT ALL TIMES. HANDLE W/THE UTMOST CARE. STORE IN EXPLOSIN PROOF FREEZER AT -0.4F.

**Other Precautions:**  
N/K

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
51.8F

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
6.7

**Upper Limits:**  
36.5

**Extinguishing Media:**  
DRY CHEMICAL, CO2, HALON, ALCOHOL FOAM, WATER MIST/FOG

**Fire Fighting Procedures:**  
WEAR SELF CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING. KEEP FIRE EXPOSED CONTAINERS COOL W/WATER SPRAY.

**Unusual Fire/Explosion Hazard:**  
HEAT MAY BUILD PRESSURE & RUPTURE CLOSED STORAGE CONTAINERS. AUTO-IGNITION TEMP: 725F. 5

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
149F

**Melt /Freeze Pt:**

**M.P/F.P Text:**  
N/K

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
97

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
MISCIBLE

**Appearance and Odor:**  
COLORLESS/ALCOHOL ODOR.

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HEAT, IGNITION SOURCES

**Materials To Avoid:**  
OXIDIZERS, REDUCING AGENTS, REACTIVE METALS

**Hazardous Decomposition Products:**  
N/K 6

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K

## 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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