

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-79/79-34-5.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

79-34-5

**Code:**

M

**RTECS:**

KI8575000

**Code:**

M

**Name:**

1,1,2,2-TETRACHLOROETHANE

**Other REC Limits:**

1 PPM

**OSHA PEL:**

1 PPM

**Code:**

M

**OSHA STEL:****Code:****ACGIH TLV:**

6.9 MG/CUM

**Code:**

M

**ACGIH STEL:**

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.

**Explanation Of Carcinogenicity:**

SEE INGREDIENTS.

**Signs And Symptoms Of Overexposure:**

IRRITATION, HEADACHE, FATIGUE, DILATED PUPILS, VISUAL DISTURBANCE, SHALLOW RESPIRATION, CYANOSIS, CONVULSIONS, COMA, HYPOTENSION, NAUSEA, DROWSINESS, INTOXICATION, SEVERE DEPRESSION, COUGHING, SHORTNESS 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: 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, THEN INDUCE VOMITING. DON'T ATTEMPT TO GIVE FLUIDS/INDUCE VOMITING IF UNCONSCIOUS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**

WEAR PROTECTIVE EQUIPMENT. ABSORB SMALL 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 AN EXPLOSION PROOF FREEZER AT-0.4F 5

**Other Precautions:**

N/K

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:****Flash Point Text:**

51.8F

**Autoignition Temp:**

N/A

**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.

## Physical/Chemical Properties

**HCC:****NRC/State LIC No:****Net Prop WT For Ammo:**

N/P

**Boiling Point:****B.P. Text:**

149F

**Melt/Freeze Pt.:**

N/P

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

N/K

**Decomp Temp:**

N/A

**Decomp Text:**

N/A

**Vapor Pres:**

97

**Vapor Density:**

N/K

**Volatile Org Content %:**

N/A

**Spec Gravity:**

N/K

**VOC Pounds/Gallon:**

N/A

**PH:**

N/K

**VOC Grams/Liter:**

N/A

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

N/P

**Solubility in Water:**

MISCIBLE

**Appearance and Odor:**

COLORLESS W/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

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

N/K

## Toxicological Information

**Information:**

N/P

## MSDS Transport Information

**Information:**

N/P

## Regulatory Information

**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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