

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-427/42751-79-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
42751-79-1

**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
DIMETHYLAMINE-EPICHLOROHYDRIN-ETHYLENEDIAMINE COP

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/K

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
USE CHEMICAL CARTRIDGE RESPIRATOR W/AN ORGANIC VAPOR CARTRIDGE OR A SELF-CONTAINED BREATHING APPARATUS IF TLV IS EXCEEDED.

**Ventilation:**  
PROVIDE ADEQUATE VENTILATION.

**Protective Gloves:**  
RUBBER OR NEOPRENE

**Eye Protection:**  
CHEMICAL SPLASH GOGGLES/FACE SHIELD

**Other Protective Equipment:**  
Equipment IMPERVIOUS PROTECTIVE CLOTHING, GLOVES & APRON. EYE WASH FOUNTAIN & SAFETY SHOWER.

**Work Hygienic Practices:**  
WASH HANDS BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. REMOVE & WASH CONTAMINATED CLOTHES BEFORE REUSE.

**Supplemental Safety and Health:**  
SHOWER AFTER WORK USING PLENTY OF SOAP & WATER. CONTACT LENS SHOULD NOT BE WORN. USE W/ADEQUATE VENTILATION. DON'T TASTE OR SWALLOW. REMOVE SPILLAGE IMMEDIATELY FROM HARD, SMOOTH WALKING AREA.

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

**Route Of Entry Inds - Inhalation:**  
NO

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
YES

**IARC:**  
YES

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
2 INHALATION: UNDER NORMAL CONDITIONS OF USE, NO EXPOSURE IS EXPECTED. EYES: MINOR IRRITATION. INGESTION: NO SIGNIFICANT SIGNS OR SYMPTOMS INDICATIVE OF ANY ADVERSE HEALTH HAZARD ARE EXPECTED TO OCCUR.

**Explanation Of Carcinogenicity:**  
SEE INGREDIENTS

**Signs And Symptions Of Overexposure:**  
N/K

**Medical Cond Aggravated By Exposure:**  
N/K

**First Aid:**  
EYES: IMMEDIATELY RINSE W/CLEAN WATER FOR 20-30 MINS. SKIN: WASH THOROUGHLY W/MILD SOAP & WATER. FLUSH W/LUKEWARM WATER FOR 15 MINS. INGESTION: DON'T INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES. PHYSICIAN NOTE: AFTER ADEQUATE FIRST AID, NO FURTHER TREATMENT IS REQUIRED UNLESS SYMPTOMS REAPPEAR.

**Spill Release Procedures:**  
SPILLED MATERIAL MAY MAKE FLOOR SLIPPERY. FOR SMALL SPILLS: SOAK UP W/SAND OR OTHER NON-COMBUSTIBLE ABSORBENT MATERIAL. FOR LARGE SPILLS: DIKE FAR AHEAD OF LIQUID. REPORT PER REGULATORY REQUIREMENTS.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
USER IS RESPONSIBLE TO DETERMINE IF MATERIAL MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. PRODUCT TRANSFORMATION, MIXTURES, PROCESSES, ETC, MAY RENDER MATERIAL HAZARDOUS OR CHANGE EXISTING RCRA CLASSIFICATION. AS SOLD, PRODUCT ISN'T RCRA HAZARDOUS WASTE.

**Handling And Storage Precautions:**  
KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT W/SKIN/EYES/CLOTHES. DON'T USE ALUMINUM, MILD STEEL, BRONZE, BRASS OR COPPER STORAGE OR FEED SYSTEMS. IF FROZEN, THAW (NOT MORE THAN 100F) & MIX THOROUGHLY BEFORE USE. FOR INDUSTRIAL USE ONLY.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
SCC

**Flash Point:**

**Flash Point Text:**  
>200F

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
SMALL FIRES: DRY CHEMICAL, CO2, WATER SPRAY, FOG OR STANDARD FOAM. LARGE FIRES: WATER SPRAY, FOG OR STANDARD FOAM.

**Fire Fighting Procedures:**  
DON'T ENTER FIRE AREA W/OUT PROPER PROTECTION. FIGHT FIRE FROM SAFE DISTANCE. WEAR SELF-CONTAINED BREATHING APPARATUS. USE WATER SPRAY OR FOG FOR COOLING. 3

**Unusual Fire/Explosion Hazard:**  
PRODUCT IS NON-COMBUSTIBLE. MAY SPATTER IF HEATED ABOVE BOILING POINT.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
212F

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
30F

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
1.10

**VOC Pounds/Gallon:**

**PH:** 4-5

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
APPRECIABLE

**Appearance and Odor:**  
CLEAR, REDDISH-AMBER LIQUID; NONSPECIFIC ODOR

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

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
N/K

**Materials To Avoid:**  
STRONG OXIDIZERS, MILD STEEL, NICKEL, BRONZE, BRASS, COPPER, & ALUMINUM

**Hazardous Decomposition Products:**  
CO2, CO, OXIDES OF NITROGEN & OTHER TOXIC GASES.

**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