

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-80/80-52-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

80-52-4

Code:

M

RTECS:

OS8925000

Code:

M

Name:

METHANE DIAMINE

Other REC Limits:

NOT KNOWN

OSHA PEL:

NOT KNOWN

Code:

M

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

NOT KNOWN

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

RESPIRATOR WITH ORGANIC VAPOR CARTRIDGES IS RECOMMENDED.

Ventilation:

MECHANICAL LOCAL EXHAUST VENTILATION AT POINT OF CONTAMINANT RELEASE.

Protective Gloves:

IMPERVIOUS RUBBER OR PLASTIC.

Eye Protection:

CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:

Equipment SAFETY SHOWER,EYE WASH STATION,PROTECTIVE CLOTHING.

Work Hygienic Practices:

WASH CONTAMINATED CLOTHING BEFORE REUSE.WASH AFTER USING THE MATERIAL.

Supplemental Safety and Health:

NONE KNOWN

Health Hazards Data

LD50LC50Mixture:

NOT KNOWN

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

MAY CAUSE PERMANENT VISUAL IMPAIRMENT/INJURY.MAY CAUSE SKIN SENSITIZATION AND DERMATITIS.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

EYES:SEVERE IRRIT/BURNS. SKIN:SEVERE IRRIT/BURNS.PROLONGED EXPOSURE MAY CAUSE ABSORPTION IN HARMFUL AMOUNT. INGESTION:MAY CAUSE GASTROINTESTINAL IRRITATION/ULCERATION,BURNS OF MOUTH & THROAT. INHALATION:VAPOR/MIST CAN IRRITATE NOSE/THROAT,CAUSING DROWSINESS,SLURRED SPEECH,HEADACHE,NAUSEA,DIZZ,STUPOR,UNCONSCIOUSNESS.

Medical Cond Aggravated By Exposure:

3 DERMATITIS

First Aid:

EYES:FLUSH W/ LOTS OF WATER FOR AT LEAST 15 MINUTES.GET PROMPT MED ATTN. SKIN:REMOVE CONTAM CLTHG.WASH SKIN THOROUGHLY W/ SOAP & WATER. INGEST:DRINK 2 GLASSES OF WATER.SEE MD.NEVER GIVE ANYTHING IF UN CONSCIOUS. INHAL:MOVE TO FRESH AIR.ADMIN OXYGEN IF BRTHG DIFFICULT.ADMIN ARTIFICIAL RESP IF BRTHG SPED.CONSULT MD. NOTE TO MD:MEASURES AGAINST HYPOTENSION,RESP DEPRESSION,CONVL MAY BE NECESSARY.

Spill Release Procedures:

WEAR PROTECTIVE CLOTHING/EQUIPMENT.SOAK UP ON ABSORBENT MATERIAL OR SCRAPE UP.PLACE IN CONTAINER FOR DISPOSAL.RESIDUAL CAN BE REMOVED WITH NONFLAMMABLE SOLVENT.

Neutralizing Agent:

NOT KNOWN

Waste Disposal Methods:

DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL,STATE,AND LOCAL REGULATIONS.COORDINATE WITH SUPPORTING INSTALLATION AND/OR MACOM ENVIRONMENTAL OFFICE PRIOR TO DISPOSAL (FP A).

Handling And Storage Precautions:

LOW TEMPERATURE STORAGE MAY CAUSE HANDLING PROBLEMS.VISCOSITY OF MATERIAL WILL INCREASE.

Other Precautions:

DO NOT TAKE INTERNALLY.AVOID PROLONGED OR REPEATED INHALATION.MATERIAL MAY PRESENT A DUST HAZARD IF CUT,GROUND,OR MACHINED AFTER CURING.

Fire and Explosion Hazard Information

Flash Point Method:

TOC

Flash Point:**Flash Point Text:**

>200F,93C

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:

NOT KNOWN

Upper Limits:

NOT KNOWN

Extinguishing Media:

DRY CHEMICAL,CARBON DIOXIDE,FOAM. 4

Fire Fighting Procedures:

WEAR PRESSURE DEMAND SELF-CONTAINED BREATHING APPARATUS (MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:

HAZARDOUS DECOMPOSITION PRODUCTS:CARBON DIOXIDE,CARBON MONOXIDE,OXIDES OF NITROGEN.

Physical/Chemical Properties

HCC:**NRC/State LIC No:**

N/R

Net Prop WT For Ammo:

5

Boiling Point:

NOT KNOWN

B.P. Text:

NOT KNOWN

Melt/Freeze Pt:

NOT KNOWN

Decomp Temp:

NOT KNOWN

Decomp Text:

NOT KNOWN

Vapor Pres:

NOT KNOWN

Vapor Density:

NOT KNOWN

Volatile Org Content %:

NOT KNOWN

Spec Gravity:

0.95 (WATER=1)

VOC Pounds/Gallon:

NOT KNOWN

PH:

N/K

VOC Grams/Liter:

NOT KNOWN

Viscosity:

N/P

Evaporation Rate & Reference:

NOT KNOWN

Solubility in Water:

NIL

Appearance and Odor:

DARK AMBER LIQUID WITH AMINE ODOR.

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

EXCESSIVE HEATING OVER LONG PERIODS OF TIME DEGRADES THE RESIN.

Materials To Avoid:

STRONG OXIDIZING AND REDUCING AGENTS.

Hazardous Decomposition Products:

CARBON DIOXIDE,CARBON MONOXIDE,OXIDES OF NITROGEN.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NONE

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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