

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

ACGIHSTEL:
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 Symptions 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:

B.P. Text:
NOT KNOWN

Melt/Freeze Pt:

M.P/F.P Text:
NOT KNOWN

Decomp Temp:

Decomp Text:
NOT KNOWN

Vapor Pres:
NOT KNOWN

Vapor Density:
NOT KNOWN

Volatile Org Content %:

Spec Gravity:
0.95 (WATER=1)

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

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