

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-97/97-84-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
97-84-7

Code:
M

RTECS:
EJ7525000

Code:
M

Name:
1,3-BUTANEDIAMINE,N,N,N',N',-TETRAMETHYL

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
USE RESPIRATORS WITH ORGANIC CARTRIDGES, WHENEVER FUMES ARE PRESENT

Ventilation:
5 MECHANICAL (GENERAL) VENTILATION,REQUIRED. LOCAL EXHAUST, OPTIONAL.

Protective Gloves:
CHEMICAL RESISTANT RUBBER OR PLASTIC

Eye Protection:
GOGGLES OR FACE MASKS.

Other Protective Equipment:
Equipment N/R

Work Hygienic Practices:
DO NOT EAT,DRINK OR SMOKE IN WORKING AREAS. KEEP EQUIPMENT CLOTHING CLEAN AT ALL TIMES.

Supplemental Safety and Health:
KEY1:N1. THIS IS PART B OF A 2 COMPONENT KIT (COMPONENT 1 AND 2). FOR PART A (COMPONENT 1), SEE PNI A, SAME NSN.

Health Hazards Data

LD50LC50Mixture:
N/K

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 SKIN OR EYE IRRITATION. INHALATION OF VAPORS SHOULD BE AVOIDED. HOWEVER, INHALATION HAZARD IS NOT ANTICIPATED.

Explanation Of Carcinogenicity:
NOT LISTED

Signs And Symptions Of Overexposure:
SKIN IRRITATION, RESPIRATORY DISTRESS.

Medical Cond Aggravated By Exposure:
SKIN SENSITIVITY,RESPIRATORY CONDITIONS.

First Aid:
EYES:FLUSH W/WATER FOR 15 MINUTES.GET MEDICAL ATTENTION;SKIN:WASH THOROUGHLY WITH SOAP & WATER;INHALATION:MOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED.GET MEDICAL ATTENTION;INGESTION:GET MEDICAL ATTEN TION IMMEDIATELY.

Spill Release Procedures:
SPILLS SHOULD BE CONTAINED. ABSORB IN INERT MATERIAL,AND PLACE IN APPROPRIATE DISPOSAL CONTAINER.

Neutralizing Agent:
4 NONE

Waste Disposal Methods:
DO NOT DISCHARGE INTO WATERWAYS OR SEWER SYSTEMS. DISPOSE OF IAW FEDERAL,STATE & LOCAL REGS.

Handling And Storage Precautions:
MATERIAL SHOULD BE STORED IN TIGHTLY CLOSED CONTAINERS. AVOID TEMPERATURES ABOVE 75F OR BELOW 65F.

Other Precautions:
NONE

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/R

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/R

Upper Limits:
N/R

Extinguishing Media:
WATER FOG,CO2,DRY CHEMICAL

Fire Fighting Procedures:
TOXIC GASES MAY BE GENERATED. FIREFIGHTERS MUST WEAR SCBA.

Unusual Fire/Explosion Hazard:
OVERHEATED CONTAINERS MAY EXPLODE

Physical/Chemical Properties

HCC:
T4

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
75F,24C

Melt/Freeze Pt:

M.P/F.P Text:
N/R

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/R

Vapor Density:
4.6

Volatile Org Content %:

Spec Gravity:
1.2

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P 6

Evaporation Rate & Reference:
0.1 (BU AC=1)

Solubility in Water:
NIL

Appearance and Odor:
CLEAR. LOW VISCOSITY LIQUID. ETHER ODOR

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
EXPOSURE TO MOISTURE. TEMPERATURES ABOVE 120F.

Materials To Avoid:
OXIDIZING MATERIALS,ISOCYANATES,ACIDS.

Hazardous Decomposition Products:
CO,CO2,NITROGEN OXIDES,HCL,HF.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/R

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