

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-101/101-68-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
101-68-8
Code:
M

RTECS:
NQ9350000
Code:
M

Name:
METHYLENE BISPHENYL ISOCYANATE (MDI) (SARA 313)

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
C 0.02 PPM
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
0.005 PPM; 9596
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
NIOSH/OSHA APPROVED ORGANIC VAPOR-TYPE RESPIRATOR RECOMMENDED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS.

Ventilation:
BY LAW, THE EXPOSURE MUST BE REDUCED TO OR BELOW THE PEL. IF NECESSARY, CONSULT A SPECIALIST FOR THE PROPER VENTILATION.

Protective Gloves:
RUBBER OR NEOPRENE

Eye Protection:
SPLASH GOGGLES

Other Protective Equipment:
Equipment USE PROTECTIVE CLOTHING IMPERVIOUS TO THIS MATERIAL.

Work Hygienic Practices:
NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:
KEY 1: HCC-F3.

Health Hazards Data

LD50LC50Mixture:
NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
EYES:MAY CAUSE IRRITATION OR CORNEAL INJURY. SKIN:PROLONGED OR REPEATED EXPOSURE MAY CAUSE SLIGHT IRRITATION. INGESTION:LOW TOXICITY. INHALATION:EXPOSURE IS MINIMAL. TARGET ORGANS:LIVER.

Explanation Of Carcinogenicity:
CONTAINS A PHTHALATE ESTER WHICH PRODUCED AN INCREASED INCIDENCE OF LEUKEMIA IN A 2-YEAR ANIMAL FEEDING STUDY.

Signs And Symptoms Of Overexposure:
NAUSEA AND/OR VOMITING.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
EYES: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. SKIN: WASH WELL WITH SOAP AND WATER. INHALATION: REMOVE PERSON TO FRESH AIR AND GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION IMMEDIATELY. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL.

Spill Release Procedures:
SECURE IGNITION SOURCES. WEAR PROTECTIVE EQUIPMENT. DIKE, IF NECESSARY TO PREVENT SPREAD OF SPILL. COVER AND CONTAIN SPILL WITH ABSORBENT MATERIAL. USE NON-SPARKING TOOLS. PUMP DIKED MATERIAL AND SCOOP ABSORBED MATERIAL INTO CONTAINER(S) FOR DISPOSAL

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
DISPOSE OF IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE/PROVINCIAL AND LOCAL STATUS REGARDING THE MANAGEMENT, USE, HANDLING, TREATMENT, STORAGE, DISPOSAL AND TRANSPORTATION OF HAZARDOUS WASTE.

Handling And Storage Precautions:
FLAMMABLE. KEEP FROM HEAT, SPARKS AND FLAME. USE APPROPRIATE GROUNDING EQUIPMENT WHILE HANDLING THIS MATERIAL.

Other Precautions:
STORE INDOORS IN TIGHTLY CLOSED CONTAINERS. STORE BETWEEN 50F AND 95F.

Fire and Explosion Hazard Information

Flash Point Method:
SCC

Flash Point:

Flash Point Text:
>200F,>93C

Autoignition Temp:

Autoignition Temp Text:
N/A 3

Lower Limits:
N/R

Upper Limits:
N/R

Extinguishing Media:
CARBON DIOXIDE, DRY CHEMICAL, FOAM

Fire Fighting Procedures:
FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED, POSITIVE PRESSURE, BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:
NONE KNOWN.

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/P

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/A

Vapor Pres:
N/A

Vapor Density:
N/A

Volatile Org Content %:

Spec Gravity:
1.13

VOC Pounds/Gallon:

PH: N/R

VOC Grams/Liter:

Viscosity:
N/P 4

Evaporation Rate & Reference:
N/P

Solubility in Water:
INSOLUBLE

Appearance and Odor:
BLACK PASTE, NO ODOR.

Percent Volatiles by Volume:
N/A

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
STRONG OXIDIZERS

Hazardous Decomposition Products:
CARBON DIOXIDE, CARBON MONOXIDE, SMOKE, FUMES.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NONE SPECIFIED BY MANUFACTURER.

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