

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-101/101-77-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

101-77-9

Code:

M

RTECS:

BY5425000

Code:

M

Name:

4,4'-METHYLENE DIANILINE (SARA III)

Other REC Limits:

N/P

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:**Code:**

2

ACGIH TLV:

S; 0.1 PPM; A2; 9192

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

IF >TLV'S, USE NIOSH/MSHA APPROVED RESPIRATOR TO PREV. OVEREXPOSURE.

Ventilation:

PROVIDE ADEQ. EXPLOSION-PROOF VENT. TO KEEP BELOW TLV'S

Protective Gloves:

BUTYL

Eye Protection:

CHEMICAL GOGGLES

Other Protective Equipment:

Equipment WEAR IMPERVIOUS PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

Work Hygienic Practices:

N/P

Supplemental Safety and Health:

MSDS DATED: NOV 1985. 2 PART POLYURETHANE ADHESIVE CEMENT FOR FUEL SYSTEM REPAIR.

Health Hazards Data

LD50/LC50 Mixture:

N/P

Route Of Entry Inds - Inhalation:

N/P

Skin:

N/P

Ingestion:

N/P

Carcinogenicity Inds - NTP:

N/P

IARC:

N/P

OSHA:

N/P

Health Hazards Acute And Chronic:

N/P

Explanation Of Carcinogenicity:

N/P

Signs And Symptoms Of Overexposure:

INHALATION, SKIN ABSORPTION, EYE IRRITATION, FEVER/CHILLS/ANOREXIA/NAUSEA/RESPIRATORY IRRITATION. 3

Medical Cond Aggravated By Exposure:

N/P

First Aid:

INHALATION: IF AFFECTED, REMOVE TO FRESH. SKIN: WASH EXPOSED AREA W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE. EYE: FLUSH W/WATER. INGESTION: GIVE 2 GLASS ES OF WATER. INDUCE VOMITING. CALL A PHYSICIAN.

Spill Release Procedures:

REMOVE ALL IGNITION SOURCES. PROVIDE ADEQ. VENT. USE PERSONAL PROTECTIVE GEAR AS NECESSARY. CONTAIN/LOCALIZE SPILL W/ABSORBENTS. PREV. DISCHARGE TO STORM/SANIRY SEWER. STORE SPENT SORBENT IN CONTAINER A PROVED FOR STORAGE OF FLAMMATERIAL.

Neutralizing Agent:

N/P

Waste Disposal Methods:

INCINERATE AT FACILITY APPROVED FOR HAZARDOUS WASTE DISPOSAL BY FEDERAL, STATE & LOCAL REGULATIONS. LANDFILL PRODUCT OR CONTAMINATED SORBENT OR SOIL ONLY WHEN SOLIDIFIED W/NO FREE LIQUIDS REMAINING/TH EN IN HAZARDOUS WASTE DISPOSAL LANDFILL.

Handling And Storage Precautions:

STORAGE AREA SHOULD BE WELL VENTILATED. STORE AWAY FROM SOURCES OF HEAT OR OPEN FLAMES. KEEP CTAINER CLOSED WHEN NOT IN USE.

Other Precautions:

N/K

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

21F CC

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

12%

Upper Limits:

20%

Extinguishing Media:

4 AALCOHOL FOAM, CO₂, DRY CHEMICAL

Fire Fighting Procedures:

USE A SCBA W/A FULL FACEPIECE UNDER POSITIVE PRESSURE.

Unusual Fire/Explosion Hazard:

MAY TRAVEL ALONG THE GROUND/MAY BE MOVED BY VENT/IGNITED AT LOCATIONS DISTANT FROM THE MATERIAL.

Physical/Chemical Properties

HCC:**NRC/State Lic No:**

5

Net Prop WT For Ammo:

N/P

Boiling Point:

N/P

B.P. Text:

N/P

Melt/Freeze Pt:

N/P

M.P/F.P Text:

N/A

Decomp Temp:

N/A

Decomp Text:

N/A

Volatile Org Content %:

N/P

Spec Gravity:

0.864

VOC Pounds/Gallon:

N/P

pH:

N/P

VOC Grams/Liter:

N/P

Viscosity:

N/P

Evaporation Rate & Reference:

N/K

Solubility in Water:

SOLUBLE

Appearance and Odor:

AMBER LIQUID, MEDIUM MEDIUM KETONE ODOUR

Percent Volatiles by Volume:

85.7

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