

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-287/28768-32-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

28768-32-3

Code:

M

RTECS:

Code:

X

Name:

4,4'-METHYLENE DIANILINE

Other REC Limits:

NONE RECOMMENDED

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

5 NK

Ventilation:

LOCAL EXHAUST

Protective Gloves:

IMPERMEABLE

Eye Protection:

SAFETY GLASSES

Other Protective Equipment:

Equipment PROTECTIVE CLOTHING

Work Hygienic Practices:

NK

Supplemental Safety and Health:

NK

Health Hazards Data

LD50/LC50 Mixture:

NK

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

PROLONGED/REPEATED CONTACT/INHALATION MAY CAUSE IRRITATION TO EYES, RESPIRATORY TRACT OR SKIN.

Explanation Of Carcinogenicity:

NK

Signs And Symptoms Of Overexposure:

NK

Medical Cond Aggravated By Exposure:

NK

First Aid:

SKIN: WASH W/SOAP. FLUSH W/PLENTY OF WATER. GET MEDICAL AID IF IRRITATION PERSISTS. EYES: FLUSH W/WATER 15 MINUTES. CALL DR IMMEDIATELY. INGESTION: GET IMMEDIATE MEDICAL AID. INHAL:MOVE TO FRESH AIR OR CONSULT DR IF IRRITATION PERSISTS.

Spill Release Procedures:

4 WIPE UP EXCESS W/TOLUENE, XYLENE, METHYL ETHYL KETONE.

Neutralizing Agent:

NK

Waste Disposal Methods:

DISPOSE OF ACCORDING TO LOCAL, STATE, FEDERAL ENVIRONMENTAL REGULATIONS.

Handling And Storage Precautions:

TOXIC! AVOID MOISTURE. ACTIVATOR HAS DIISOCYANATES. AVOID CHRONIC BREATHING VAPORS/SKIN/EYE CONTACT. WASH HANDS WELL AFTER USE/BEFORE EATING/SMOKING.

Other Precautions:

IF EYE CONTACT FLUSH THOROUGHLY W/WATER. GET MED AID. USE W/ADEQUATE VENTILATION. KEEP AWAY FROM CHILDREN. STORAGE LIFE ABOUT 6 MONTHS WHEN STORED <80F IN ORIGINAL SEALED CONTAINER.

Fire and Explosion Hazard Information

Flash Point Method:

TCC

Flash Point:

Flash Point Text:

>230F,>110C

Autoignition Temp:

Autoignition Temp Text:

NK

Lower Limits:

NK

Upper Limits:

NK

Extinguishing Media:

FOAM, CO, DRY CHEMICAL.

Fire Fighting Procedures:

WEAR SCBA TO PROTECT AGAINST INHALATION OF DANGEROUS COMBUSTION PRODUCTS.

Unusual Fire/Explosion Hazard:

NONE

Physical/Chemical Properties

HCC:

NRC/State LIC No:

NK

Net Prop WT For Amm:

Boiling Point:

B.P. Text:

NK

Melt/Freeze Pt:

M.P./F.P. Text:

NK

Decomp Temp:

Decomp Text:

NK

N. Pres:

NK

Vapor Density:

NK

Volatile Org Content %:

Spec Gravity:

1.11

VOC Pounds/Gallon:

PH: NK 6

VOC Grams/Liter:

Viscosity:

NK

Evaporation Rate & Reference:

NK

Solubility in Water:

INSOLUBLE

Appearance and Odor:

BLACK LIQUID, TAR-LIKE ODOR.

Percent Volatiles by Volume:

FOAM, CO, DRY CHEMICAL.

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V