

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-157/15721-78-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

15721-78-5

Code:

M

RTECS:**Code:**

X

Name:

ALKYLATED DIPHENYLAMINES (MIXTURE)

Other REC Limits:

N/K

OSHA PEL:

NOT APPLICABLE

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

NOT APPLICABLE

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

6 USE NIOSH/MSHA APPROVED ATMOSPHERE SUPPLYING/AIR PURIFYING RESPIRATOR FOR ORGANIC VAPORS AS REQUIRED TO MAINTAIN EXPOSURE LEVELS BELOW RECOMMENDED LIMITS.

Ventilation:

AS SPECIFIED. LOC EXHAUST: REMOVE VAPS DURING PROCESSING. MECH EXHAUST: EXPLO-PROOF EQUIP. SPECIAL: REDUCE VAP (SUPP DATA)

Protective Gloves:

PVA GLOVES.

Eye Protection:

CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment:

Equipment PROTECTIVE CLOTHING AS REQUIRED TO PREVENT SKIN CONTACT.

Work Hygienic Practices:

KEEP AREA CLEAN. CLEAN UP SPILLS IMMED. PRACTICE GOOD PERSONAL HYGIENE.

Supplemental Safety and Health:

VENT: CONC BELOW SPECIFIED LIMITS.

Health Hazards Data

LD50/LC50/Mixture:

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:

ACUTE: ACUTE NAUSEA &/OR NARCOSIS. CHRONIC: NO INFORMATION PRESENTLY AVAIL. CNTNS TOLUOL WHICH BASED ON ANIMAL DATA MAY CAUSE LIVER ABNORM, KIDNEY, LUNG & SPLEEN DAM. IN HUMANS LIVER ABNORM. CNTNS XYLENE WHICH BASED ON ANIMAL DATA MAY CAUSE ANEMIA, LIVER ABNORM, KIDNEY & EYE DAM. IN HUMANS-CARDIAC (EFTS OF OVEREXP)

Explanation Of Carcinogenicity:

NOT RELEVANT

Signs And Symptoms Of Overexposure:

HLTH HAZ: ABNORM. IRRIT TO EYES & MUCOUS MEMB. DRY & CRACK OF SKIN. LIQUID INGEST MAY CAUSE VOMIT. NOTE: TOLUENE CAS# 108-88-3 APPEARS ON NAVY LIST OF OCCUPATIONAL CHEMICAL REPROD HAZ. SEEK CONSULTATION FROM APPROPRIATE PROFESSIONALS CONCERNING LATEST HAZARD LIST INFO & SAFE HANDLING & EXPOSURE RECOMMENDATIONS (FP N).

Medical Cond Aggravated By Exposure:

RESPIRATORYAILMENTS.

First Aid:

UTILIZE SUGGESTED METH LISTED BELOW. IN EMER SITUATION NOTIFY A PHYS. SKIN: WASH WITH SOAP AND WATER. REFER TO PHYS IF IRRIT PERSISTS. EYES: FLUSH ABUNDANTLY WITH CLEAN WATER FOR @ LEAST 15 MIN & REFER TO A PHYS. INGEST: DO NOT INDUCE VOMIT. REFER TO A PHYS. INHAL: REMOVE TO FRESH AIR/GIVE OXYGEN. USE CPR IF PATIENT IS NOT BREATHING. REFER TO PHYSICIAN.

Spill Release Procedures:

5 ABSORB SPILL IN SAND, EARTH, VERMICULITE, OIL-DRI, OR SOL-SPEED-IN SHOVEL ABSORBED MATERIAL INTO STEAL CONTAINER AND COVER.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

DISPOSE I/A/W FEDERAL, STATE, AND LOCAL CHEMICAL AND SOLVENT WASTE DISPOSAL REGULATIONS.

Handling And Storage Precautions:

NONE SPECIFIED BY MANUFACTURER.

Other Precautions:

NONE SPECIFIED BY MANUFACTURER.

Fire and Explosion Hazard Information

Flash Point Method:

TCC

Flash Point:**Flash Point Text:**

40.0F,4.4C

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:

1%

Upper Limits:

7%

Extinguishing Media:

CARBON DIOXIDE, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:

WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:

VAPOR IS HVR/AIR AND MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION & FLASHBACK.

Physical/Chemical Properties

HCC:**NRC/State Lic No:****Net Prop WT For Ammo:****Boiling Point:****B.P. / 111C:****231F,111C****Decomp Temp:****Decomp Text:**

N/K

Vapor Pres:

22@20C

Vapor Density:

3.2

Volatile Org Content %:**Spec Gravity:**

0.9

VOC Pounds/Gallon:**pH:**

N/K

VOC Grams/Liter:**Viscosity:**

N/P

Evaporation Rate & Reference:

N/K

Solubility in Water:

NOT APPLICABLE

Appearance and Odor:

BLACK CHARACTERISTIC SOLVENT ODOR.

Percent Volatiles by:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

AVOID HEAT, OPEN FLAMES, SPARKS, HOT SURFACES, OXIDIZING AGENT.

Materials To Avoid:

HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN CHLORIDE, HYDROGEN SULFIDE.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NOT RELEVANT

Other Precautions:

NOT RELEVANT

Toxicological Information

Information:

N/P

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

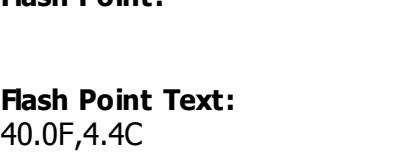
Other Information

Other Information:

N/P

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

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The product with regard to appropriate safety or precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

 LookChem

Look for Chemicals

www.lookchem.com