

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-321/321-60-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
321-60-8
Code:
M

RTECS:

Code:
X

Name:
1,1-BIPHENYLM, 2-FLUORO-2-BLUROBIPHENYL *92-2*

Other REC Limits:
N/K

OSHA PEL:
N/K
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/K
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
FACE MASK W/ORGANIC VAPOR CANISTER. WEAR NIOSH/OSHA APPROVED RESPIRATORY PROTECTION.

Ventilation:
USE GOOD VENTILATION.

Protective Gloves:
NEOPRENE

Eye Protection:
RECOMMENDED

Other Protective Equipment:
Equipment N/K

Work Hygienic Practices:
REMOVE CONTAMINATED CLOTHING.

Supplemental Safety and Health:
N/K

Health Hazards Data

LD50LC50Mixture:
N/K

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
YES

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
2 EYES: LACHRYMATION. SKIN: IRRITATION & DERMATITIS. INHALATION: HEADACHE, DIZZINESS, NARCOSIS, FATAL LIVER & KIDNEY DAMAGE. INGESTION: HARMFUL.

Explanation Of Carcinogenicity:
METHYLENE CHLORIDE IS A SUSPECTED HUMAN CARCINOGEN BY ACGIH.

Signs And Symptions Of Overexposure:
EYES: LACHRYMATION. SKIN: IRRITATION & DERMATITIS. INHALATION: HEADACHE, DIZZINESS, NARCOSIS, FATAL, LIVER & KIDNEY DAMAGE. INGESTION: HARMFUL.

Medical Cond Aggravated By Exposure:
N/K

First Aid:
EYE: FLUSH W/PLENTY OF WATER FOR 15 MINS. SKIN: WASH W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED. NEVER ADMINISTER ADRENALIN AFTER METHYLENE CHLORIDE EXPOSURE, MAY CAUSE INCREASED HEART SENSITIVITY. INGESTION: NEVER GIVE ANYTHING BY MOUTH TO ANUNCONSCIOUS PERSON. DON'T INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:
TAKE UP W/ABSORBENT MATERIAL.

Neutralizing Agent:
N/K

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

Handling And Storage Precautions:
VENTILATE AREA. REFRIDGERATE IN SEALED CONTAINER.

Other Precautions:
AVOID EYE/SKIN CONTACT & BREATHING VAPORS. POSSIBLE CANCER HAZARD. LIQUID OXYGEN OR OTHER STRONG OXIDANTS MAY FORM EXPLOSIVE MIXTURES WITH METHYLENE CHLORIDE.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/K

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
WATER, CO2 & DRY CHEMICAL

Fire Fighting Procedures:
WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:
TOXIC VAPORS ARE FORMED WHEN THIS MATERIAL IS HEATED. METHYLENE CHLORIDE VAPORS ARE >AIR & WILL COLLECT IN LOW AREAS. 3

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
104F

Melt/Freeze Pt:

M.P/F.P Text:
-206.6F

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
349

Vapor Density:
2.93

Volatile Org Content %:

Spec Gravity:
1.320

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
(ETHER = 1): 0.71

Solubility in Water:
N/K

Appearance and Odor:
CLEAR COLORLESS LIQUID W/ETHER LIKE ODOR

Percent Volatiles by Volume:
100%

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HEAT, OPEN FLAMES, HOT GLOWING SURFACES &ELECTRIC ARCS

Materials To Avoid:
STRONG BASES, OXIDIZING AGENTS 4

Hazardous Decomposition Products:
HYDROGEN CHLORIDE &PHOSGENE

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/K

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



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