

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-416/4165-60-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
4165-60-0

Code:
M

RTECS:

Code:
X

Name:
BENZENE-D5, NITRO-NITROBENZENE D5 *92-2*

Other REC Limits:

N/K

OSHA PEL:
1 PPM

Code:
M

OSHA STEL:

Code:

ACGIH TLV:

1 PPM

Code:
M

ACGIH STEL:

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 Symptoms 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:

N/P

Boiling Point:

B.P. Text:

104F

Melt/Freeze Pt:

MELT/FREEZE

M.P/F.P Text:

-206.6F

Decomp Temp:

Decomp Text:

N/K

Viscosity:

N/P

Evaporation Rate & Reference:

(ETHER = 1): 0.7

(SOLVENT = 1): 0.7

(WATER = 1): 0.7

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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