MATERIAL SAFETY DATA SHEET

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

Click http://www.lookchem.com/cas-108/108-38-3.html for suppliers of this product.

Composition/Information on Ingredient

Cas:
108-38-3
Code:
M

RTECS:
ZE2275000
Code:
M

Name:
M-XYLENE (M-DIMETHYLBENZENE) (SARA III)

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
100 PPM
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
100 PPM/15OSTEL;9394
Code:
M

ACGIHSTEL:
N/P
Code:
2

Control Measures

Respiratory Protection:
NO SPECIAL RESP PROTECTION IS NORMALLY REQUIRED.HOWEVER IF OPERATING CONDITIONS CREATE AIRBORNE CONCEN WHICH EXCEED RECOMMENDED EXPOSURE STDS USE OF APPROVED RESP REQUIRED.REFER TO OSHA BENZENE STD TO DETERMINE TY OF RESP BASED ON EXPO LEVEL

Ventilation:
USE THIS MATERIAL ONLY IN WELL VENTILATED AREAS.

Protective Gloves:
NO SPECIAL PROTECTION USUALLY NECESSARY.

Eye Protection:
CHEMICAL GOGGLES.

Other Protective Equipment:
Equipment SKIN CONTACT CAN BE MIN BY WEARING PROTECTIVE CLOTHING.

Work Hygienic Practices:
LAUNDER CONTAMIN CLOTHING PRIOR TO REUSE. FOLLOW GOOD WORK HYGIENE PRACTICES.

Supplemental Safety and Health:
IF SPILL REACHES ANY SURFACE WATERS CALL US COAST GUARD NAT RESP CNTR 800-424-8802.

Health Hazards Data

LD50LC50Mixture:
LD50 ORAL;RATS >5ML/KG.

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
YES

IARC:
YES

OSHA:
YES

Health Hazards Acute And Chronic:
EYE:SLIGHTLY IRRIT,IMPAIR VISION.SKIN:CRACK/DRY SKIN FROM DEFATTING.INGEST:SLIGHTLY TOXIC TO INTERNAL ORGANS.TARGET ORGAN:CNS.ASPIRATION HAZ & MAY CAUSE SEVERE LUNG INJURY & DEATH.INHAL:SLIGHTLY TOXIC TO INTERNAL ORGANS.CNS EFFECTS,COMA,DEATH,CONVULSIONS,DELIRIUM,HALLUCINATIONS.

Explanation Of Carcinogenicity:
CONTAINS BENZENE. IARC PLACED WHOLE GASOLINE EXHAUST IN CATEGORY 2B CONSIDERING IT POSSIBLY CARCINOGENIC TO HUMANS.

Signs And Symptions Of Overexposure:
EYE:MAY INCLUDE PAIN, TEARS, SWELLING, REDNESS, AND BLURRED VISION. INGEST:MAY INCLUDE ONE OR MORE OF FOLLOWING:HEADACHE, DIZZ, LOSS OF APPETITE, WEAKNESS, LOSS OF COORDINATION.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MFG.

First Aid:
EYE:FLUSH IMMED W/WATER FOR @ LEAST 15MINS OPENING EYELIDS.REMOVE CONTACT LENSES.IF IRRIT PERSISTS SEE DR. SKIN:PRECAUTION WASH THOROUGHLY W/SOAP & WATER.REMOVE CONTAMIN CLOTHING.INGEST:GIVE WATER OR MILK TO DRINK.CALL MED ADVICE/TAKE TO EMERG CNTR/HOSPITAL.DO NOT INDUCE VOMIT UNLESS DIRECTED BY MED PERSONNEL.INHAL:MOVE TO FRESH AIR.SEE DR IF SYMPTOMS CONTINUE.

Spill Release Procedures:
ELIMINATE ALL IGN SOURCES.CLEANUP IMMED.WATER POLLUTANT;PREVENT FROM CONTAMIN SOIL/WATER/DRAINAGE/SEWER SYS.CLAN:U W/APPROPRIATE TECHNIQUES:SORBENT MATLS;PUMPING.IF FEASIBLE REMOVE CONTAMIN SOIL.FOLLOW PROCEDURES FOR REPORTING/RESPONDING TOLG SPILLS.

Neutralizing Agent:
NONE SPECIFIED BY MFG.

Waste Disposal Methods:
IF TO BE DISCARDED MAY MEET CRITERIA OF HAZ WASTE AS DEF BY USEPA UNDER RCRA(40CFR261)OR OTHER STATE/LOC REGS.MEASUREMENT OF CERTAIN PHYS PROP & ANALYSIS FOR REGULATED CMPNTS MAY BE NECESSARY TO MAKE CORRECT DETERMINATION.IF HAZ WASTE USE LIC FACILIT

Handling And Storage Precautions:
NEVE SIPHON GASOLINE BY MOUTH.READ/OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.USE ONLY AS MOTOR FUEL.DO NOT USE FOR CLEANING/PRESS APLICANCE FUEL/OTHER.

Other Precautions:
DO NOT USE/STORE NEAR FLAME/SPARKS/HOT SURFACES.USE ONLY IN WELL VENTILATED AREA.DO NOT TRANSFER LIQ TO UNLABELED CNTNR.DO NOT WELD/HEAT/DRILL CNTNR.REPLACE CAP/BUNG.EMPTIED CNTNR STILL CONTAINS HAZE XPLOSIVE VAP/LIQ. 5

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
-49F, -45C

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
1.4

Upper Limits:
7.6

Extinguishing Media:
ALCOHOL RESISTANT TYPE (AR) AFFF, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:
DO NOT ENTER ANY ENCLOSED/CONFINED FIRE SPACE W/O PROPER PROTECTIVE EQPMNT INCLUDING SCBA.

Unusual Fire/Explosion Hazard:
EXTREME FIRE HAZ,LIQ VERY QUICKLY EVAPORATES.FORMS VAP/FUMES WHICH CAN CATCH FIRE & BURN W/EXPLOSVIE VIOLENCE.VAP SPREADS & SET ON FIRE BY IGN SOURCES.

Physical/Chemical Properties

HCC:
F1

NRC/State LIC No:
N/R

Net Prop WT For Ammo:
6

Boiling Point:

B.P. Text:
77.0F,25.0C

Melt/Freeze Pt:

M.P/F.P Text:
N/A

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
5-15PSI

Vapor Density:
3-4

Volatile Org Content %:

Spec Gravity:
0.7-0.8

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/K

Evaporation Rate & Reference:
N/K

Solubility in Water:
INSOLUBLE.

Appearance and Odor:
ORANGE OT BRONZE LIQUID.

Percent Volatiles by Volume:
99+

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NO DATA AVAILABLE. HOWEVER AVOID HEAT/FLAMES/OTHER SOURCES OF IGNITION.

Materials To Avoid:
MAY REACT W/STRONG OXIDIZING AGENTS SUCH AS CHLORATES, NITRATES, PEROXIDES, ETC.

Hazardous Decomposition Products:
NO DATA AVAILABLE. NORMAL COMBUSTION FORMS CARBON DIOXIDE &WATER VAP;INCOMPLETE COMBUSTION CAN PRODUCE CARBON MONOXIDE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT RELEVANT.

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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