

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-108/108-87-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
108-87-2
Code:
T

RTECS:
GV6125000
Code:
T

Name:
METHYLCYCLOHEXANE

Other REC Limits:
N/P

OSHA PEL:
2000 MG/M3;500 PPM
Code:
T

OSHA STEL:
N/P
Code:

ACGIH TLV:
1610 MG/M3;400 PPM
Code:
T

ACGIH STEL:
NOT ESTABLISHED
Code:
T

Control Measures

Respiratory Protection:
SUE OF RESP PROT ADVISED WHEN CNC EXPECTED TO EXCEED ESTABLISHED EXPO LIMITS.DEPENDING ON AIRBORNE CONC USE RESP W/APPROP CARTRIDGES(NIOSH APPROV IF AVIA) OR SUPPLIED-AIR EQPMT.

Ventilation:
CURRENT VENTI PRACT NOT ADEQUATE TO MAINTAIN AIRBORNE CONC BEL EXPO LMTS ADDN VENTI/EXHAU SYS MAY BE REQUIRED.EXPO MIX PRESENT ELECTR SYS SAF FOR SUCH LOCATION

Protective Gloves:
GLOVES IMPERMEABLE TO SPECIFIC MATL HNDL IS ADVISED.

Eye Protection:
APPROV EYE PROTECTION TO SAFEGUARD AGAINST CONTACT/IRRIT/INJURY RECOMMENDED.

Other Protective Equipment:
Equipment EYEWASHSHOWER FACILITIES SHOULD BE AVAI IN WORKAREA.THOROUGHLY CLEAN SHOES &WASH CONTAM CLOTH BEFORE REUSE.RECOMMEND THAT IMPERVIOUS CLOTH BE WORN.

Work Hygienic Practices:
WASH WELL AFT HNDL.DONT WEAR CONTAM CLOTH/SHOES.USE GOOD PERSONAL HYG PRAC.AVOID EYE/SKIN/CLOTH CONTACT.DONT TASTE/INGEST.

Supplemental Safety and Health:
N/P

Health Hazards Data

LD50/LC50 Mixture:
N/P

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:
EYE-IRRIT,STINGING,WATERING,REDNESS,SWELLING.SKIN-IRRIT,RED,BURN,DRY,CRACK,SKIN DMG.LOW DEGREE OF HAZ BY SKIN ABSORPTION.INHAL-LOW-MOD DEGREE OF TOXICITY.INGEST-LOW-MOD DEGREE OF TOXICITY.ASPIRATION H AZ-CAN ENTER LUNGS,CAUSE LUNG INFLAMM/DMG.TARORG-POT HAZ TO CNS,KID,LIV,& SENSE OF HEARING.

Explanation Of Carcinogenicity:
INADEQUATE EVIDENCE AVAILABLE TO EVALUATE THE CANCER HAZ OF THIS MATL.MATL HAS NOT BEEN ID AS CARC BY NTP/IARC/OSHA.

Signs And Symptoms Of Overexposure:
3 EFFECTS OF OVEREXPO MAY INCLUDE IRRIT OF NOSE&THROAT,IRRIT OF DIGESTIVE TRACT,NAU, VOMIT, DIARR, SIGNS OF NERV SYST DEPRESS(E.G.HEAD,DROWS,DIZZ,LOSS OF COORDINATION,FTG).REPORT HAVE ASSOC REP/RPOL OCCU P OVEREXPO TO SOLVTS W/PERM BRAIN&CNS DMG(SOLVT/PAINTERS SYNDROME).INTENTIONAL MISUSE BY DELIBERATELY CONC/INHAL MATL MAY BE HARMFUL/FATAL.

Medical Cond Aggravated By Exposure:
MAY INCLUDE SKIN DISORDERS,RESP(ASTHMA- LIKE)DISORDER,KIDNEY&LIVER DISORDERS.EXPO TO HI CONC OF MATL MAY CAUSE IRREG HEARTBEATS (ARRHYTHMIAS).PERSONS W/PRE-EXISTING HEART DISORDERS MAY BE MORE SUSCEPT

First Aid:
EVE-MOVE TO FRESH AIR.IRRIT/RED DVLFLUSH W/H2O.GET MED ATTN.EYELIDS APART,FLUSH W/H2O @LEAST 15MINS.SKIN-REMOVE CONTAM CLOTH.FLUSH W/LG AMTS OF H2O.SKIN DMG APPLY CLEAN DRESS,GET MED ATTN.NOT DMG CL EANSE WELL W/MILD SOAP/H2O.IRRIT/RED DVLFLUSH W/H2O.GET MED ATTN.INHAL- MOVE TO FRESH AIR.SYMP PERSIST GET IMMED MED ATTN.NOT BREATH IMMED GIVE ART RESP;DIFI BREATH GIVE OXY.GET IMMED MED ATTN.INGEST-GET EMER G MED ATTN.CONSC/ALERT INDUCE VOMIT.DR: EXPO HI CONC MATL ASSOC W/CARDIAC ARRHY.EPINEPHRINE

Spill Release Procedures:

FLAMM.KEEP ALL IGN SOURCES AWAY.USE EXPLO-PROOF EQPMT.STAY UPWIND/AWAY.ISOLATE.S W/O RISK.WEAR APPROP PPE AS CONDITIONS WARRANT.PREVENT SPILL ENTER SEWER/STORM DRAIN/ OTHER.DIKE USE FOAM TO MIN VAP USE APPROP ABSORBENT.NOTIFY AUTHORITIES/APPROP AGENCIES. NOTIFY NRC 800-424-8802 IF ENTER WATERWAY/EXCESS EPA RQ.

Neutralizing Agent:

N/A

Waste Disposal Methods:

RCRA HAZ WASTE IF DISCARD IN PRODUCED FORM.EPA D001,D018.HNDL EMPTY CNTNR W/CARE-RESIDUE- DRAIN COMPLETELY,PROP BUNDED,PROP RETURN TO SUPPLIER/SHIPP TO DR RECONDITIONER.DISPO ALL CNTNR IN ENVIRO SAFE MANNER,JAW GOVT REGS.RINSATE MAY BE CONSIDERED RCRA HAZ WASTE,DISPO W/CARE.STATE/LOC REQMT MORE RESTRICTIVE/DIFFER FRM FED,CONSULT STATE/LOC REGS

Handling And Storage Precautions:

OPN CNTNR SLOWLY.BOND/GROUND EQPMT WHEN TRANSF FRM VESSEL TO VESSEL.ACUMUL STATIC CHARGE BY FLOW/AGITATION.VAP IGN BY STATIC DISCHAR.RECOMMEND EXPLO PROOF EQPMT. DONT ENTER CONF SPACE(TANKS,PITS)W/O PROPER ENTRY PROCEDURE(ASTM D4276,29CFR1910.146). ADVISE USE RESP PROT WHEN CONC EXCEED EXPO LIMIT.

Other Precautions:

EMPTY CNTNR RETAIN RESIDUE-DANGER.DONT PRESS,CUT,WELD,BRAZE,ETC,EXPO TO HEAT-CAN CAUSE INJURY/DEATH.BEF WORK ON/IN TANK WHICH HAS/HAD MATL SEE OSHA REGS/ANSI Z49.1/OTHER REFS PERTAIN TO CLEAN/REPAIR/W ELD/CONTEMPLAT OPS. KEEP TIGHTLY CLSD.USE/STORE IN COOL DRY WELL VENTI AREA AWAY FRM HEAT.PROT FRM P HYS DMG.

Fire and Explosion Hazard Information

Flash Point Method:

FCC

Flash Point:

=-6.7C, 20.F

Flash Point Text:

Autoignition Temp:

=304.4C, 580.F

Autoignition Temp Text:

Lower Limits:

1

Upper Limits:

7

Extinguishing Media:

RECOMMEND DRY CHEM/CO2/HALON/FOAM.H2O MAY BE INEFF FOR EXT UNLESS UNDER FAVOR CONDITONS BY EXPER FIREFIGHTER. HALON DECOMPO-TOX MATL.CO2 DISPL OXY.USE CAUT W/HALON/CO2 IN CONF SPACE.

Fire Fighting Procedures:

3 EFFECTS OF OVEREXPO MAY INCLUDE IRRIT OF NOSE&THROAT,IRRIT OF DIGESTIVE TRACT,NAU, VOMIT, DIARR, SIGNS OF NERV SYST DEPRESS(E.G.HEAD,DROWS,DIZZ,LOSS OF COORDINATION,FTG).REPORT HAVE ASSOC REP/RPOL OCCU P OVEREXPO TO SOLVTS W/PERM BRAIN&CNS DMG(SOLVT/PAINTERS SYNDROME).INTENTIONAL MISUSE BY DELIBERATELY CONC/INHAL MATL MAY BE HARMFUL/FATAL.

Unusual Fire/ Explosion Hazard:

FLAMM,IGN BY HEAT,SPARK,FLAME,OTHR IGN SOURCE.VAP TRAVEL CONSIDERABLE DISTANCE TO IGN SOURCE-IGN &FLASHBACK,EXPLODE.CREATE VAP/AIR EXPLO HAZ INDR/OUTDR/SEWER.CNTNR NOT PROPERLY COOLED CAN EXPLO IN HEAT OF FIRE.

Physical/Chemical Properties

H2C

F2

NRCS State LIC No:

Net Prop WT For Ammo:

Boiling Point:

N/P

B.P. Text:

N/P

Melt/Freeze Pt:

N/P

Decomp Temp:

N/P

Decomp Text:

N/P

Vapor Pres:

25

Vapor Density:

3.4

Volatile Org Content %:

100

Spec Gravity:

0.745 @60F

0.745 @60F

VOC Pounds/Gallon:

N/A

PH: NA

VOC Grams/Liter:

N/A

Viscosity:

0.68 CST

Evaporation Rate & Reference:

3.9 (NBUAC=1)

Solubility in Water:

0.02

Appearance and Odor:

WATER-WHITE COLOR, LIQUID, LIGHT HYDROCARBON ODOR

Percent Volatiles by Volume:

100

Corrosion Rate:

N/P

Conditions To Avoid Polymerization:

WILL NOT OCCUR

Toxicological Information

Information: N/P

MSDS T

Information: N/P

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information: N/P

Other Information:

N/P

Other Information:

N/P

Other Information:

N/P

Other Information:

N/P

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