

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-110/110-43-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
110-43-0
Code:
M

RTECS:
MJ5075000
Code:
M

Name:
METHYL N-AMYL KETONE

Other REC Limits:
NONE SPECIFIED

OSHA PEL:
100 PPM
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
50 PPM; 9192
Code:
M

ACGIHSTEL:
N/P
Code:
1

Control Measures

Respiratory Protection:
USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION APPROPRIATE FOR INDICATED COMPONENTS. CONFINED AREAS: NIOSH APPR'D AIR SUPPLIED RESPIRATORS. OSHA/NIOSH STATE AIR SUPPLIED/SCBA ARE ONLY APPROPRIATE RESPI R PROTECT OF EXCEEDED ISOCYANATE LEVELS.

Ventilation:
GENERAL DILUTION/LOCAL EXHAUST VENTILATION IN VOLUME/PATTERN TO KEEP LEVEL OF HAZARD INGREDIENT BELOW TLV/PEL LIMITS.

Protective Gloves:
WEAR CHEMICALLY RESISTANT GLOVES

Eye Protection:
SAFETY GLASSES W/SIDESIELDS OR GOGGLES

Other Protective Equipment:
Equipment AVOID SKIN CONTACT BY USE OF OTHER PROTECTIVE CLOTHING. A SAFETY SHOWER, EYE BATH & WASHING FACILITIES.

Work Hygienic Practices:
WASH CONTAMINATED CLOTHING BEFORE REUSE. AVOID SKIN CONTACT & BREATHING VAPORS OR MIST.

Supplemental Safety and Health:
DEPENDING ON AMOUNT & CIRCUMSTANCES, UNAUTHORIZED RELEASE OF MATERIAL INTO ENVIRONMENT MAY BE REPORTABLE UNDER FEDERAL LAW TO THE NATIONAL RESPONSE CENTER(800-424-8802). STATE & LOCAL GOVERNMENTAL AGE NCIES MAY ALSO HAVE REPORTING REQUIREMENTS. DO NOT ENTER CONFINED AREAS W/OUT AIR MONITORING, USE OF SCBA & OBSERVER.

Health Hazards Data

LD50LC50Mixture:

N/K

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

N/P

IARC:

N/P

OSHA:

N/P 3

Health Hazards Acute And Chronic:
INHALE: NASAL/RESPIR IRRIT, ACUTE CNTRL NERVE SYS DEPRESSION (HEADACHE, DIZZINESS, STAGGER GAIT, CONFUSION, UNCONSCIOUS). ASPHYXIATION. ALLERGIC SENSITIZE (MUCOUS MEMB IRRIT, TIGHT CHEST, RESP TRACT IR RIT). SKIN: DEFATTING/DERMATITIS. SENSITIZE. EYE: IRRIT. INGEST: MAY CAUSE GASTROINTEST IRRIT, NAUSEA, VOMITING & DIARRHEA.*

Explanation Of Carcinogenicity:

N/K

Signs And Symptions Of Overexposure:
*ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EFFECTS INCLUDE CONCENTRATION DIFFICULTIES, DIMINISHED ACTUAL DEXTERITY AND MEMORY LOSS.

Medical Cond Aggravated By Exposure:
PRE-EXISTING SKIN, LUNG & EYE CONDITIONS. LAB ANIMALS EXPOSED TO XYLENE &/OR TOLUENE SHOWED LIVER, KIDNEY, LUNG, SPLEEN, HEART & ADRENALS DAMAGE. PREGNANT MICE/RATS SHOWED EMBRYO/FETOTOXIC EFFECTS.

First Aid:
INHALATION: REMOVE PERSON TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF REQUIRED. IF BREATHING IS DIFFICULT, GIVE OXYGEN. KEEP WARM & QUIET. GET MEDICAL ATTN. SKIN: WASH AREAS WITH SOAP & WATER. DO NOT USE SOLVENTS. REMOVE CONTAMINATED CLOTHING & WASH BEFORE REUSE. GET MEDICAL ATTN. EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTN. PREFER AN OPHTHALMOLOGIST. INGESTION: GET MEDICAL ATTENTION.

Spill Release Procedures:
REMOVE IGNITE SOURCES. WEAR PROTECT EQUIP. AVOID BREATHING VAPORS & SKIN/EYE CONTACT. USE NON-SPARK TOOLS. EMERGENCY RESPONSE PRO IF MANAGING RELEASE IS BEYOND PERSONNEL CAPABILITY. SM: DIKE & ABSORB W /INERT MATERIAL. PUT IN OPEN DRUM, ISOLATE, FILL**

Neutralizing Agent:
**W/SOLUTION OF 90-95% WATER, 2% DETERGENT, 3-8% AMMONIA. NEUTRALIZE SPILL AREA.

Waste Disposal Methods:
ENSURE MATERIAL IS PACKAGED, STORED, TRANSPORTED & OTHERWISE MANAGED IN ACCORD W/LOCAL, STATE & FED REGS. NO DISPOSAL METHOD IS TO BE USED THAT WOULD POSE ENVIR OR HUMAN HEALTH THREAT INCLUDING ANY WHI CH WOULD CONTAMINATE GROUND/SURFACE WATER.

Handling And Storage Precautions:
KEEP CNTNR TIGHTLY CLOSED. KEEP FROM IGNITE SOURCES/MOISTURE. DO NOT STORE @ > 120F (PREFER 64-86F). STORE FLAMM LIQ IN ACCORD W/NFPA CODES/GOV'T REG.

Other Precautions:
FOLLOW GROUND/BOND PROCEDURES WHEN TRANSFERRING. AVOID FREE FALL OF LIQ. DON'T SMOKE WHERE MATERIAL IS USED OR STORED. DO NOT APPLY TO HOT SURFACES. EMPTYES MAY CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE, WELD ON DRUM. DO NOT TAKE INTERNALLY.

Fire and Explosion Hazard Information

Flash Point Method:

SCC

Flash Point:

Flash Point Text:

22.0F,-5.6C

Autoignition Temp:

Autoignition Temp Text:

N/K

Lower Limits:

1.0%

Upper Limits:

N/K

Extinguishing Media:

4 EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM).

Fire Fighting Procedures:
WATER SPRAY MAY BE INEFFECTIVE, USE TO COOL EXPOSED CNTNRS (FOG NOZZLE PREFERRED). USE NIOSH/MSHA APPR'D SELF-CONTAINED BREATHING APPARATUS & PROTECT CLOTHES.

Unusual Fire/Explosion Hazard:
VAPORS MAY ACCUMULATE IN CONFINED AREAS, FORM EXPLOSIVE MIX W/AIR, TRAVEL LONG DISTANCES. FLASHBACK/FLAME TO HANDLING SITE MAY OCCUR. CLOSED CNTNRS MAY EXPLODE.

Physical/Chemical Properties

HCC:

F2

NRC/State LIC No:

N/K

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:

175 TO 382F

Melt/Freeze Pt:

M.P/F.P Text:

N/K

Decomp Temp:

Decomp Text:

N/K

Vapor Pres:

N/K

Vapor Density:

> AIR

Volatile Org Content %:

Spec Gravity:

0.91

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:

N/K 5

Evaporation Rate & Reference:

SLOWER THAN N-BU AC

Solubility in Water:

N/K

Appearance and Odor:

CLEAR LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:

75.4

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

TEMPERATURES ABOVE MAXIMUM STORAGE TEMPERATURES.

Materials To Avoid:

AVOID CONTACT WITH WATER, ALCOHOLS AND AMINES.

Hazardous Decomposition Products:

CARBON MONOXIDE & CARBON DIOXIDE. OXIDES OF NITROGEN & TRACES OF HCN & ISOCYANATE MONOMER. TOXIC GASES FROM AEROSOLS.

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