

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-103/103-50-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
103-50-4

Code:
M

RTECS:
DQ6125000

Code:
M

Name:
BENZYL ETHER; (DIBENZYL ETHER)

Other REC Limits:
N/K

OSHA PEL:
N/K (FP N)

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/K (FP N)

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
IMPORTANT-MUST PROVIDE ADEQUATE VENTILATION TO MAINTAIN VAPOR CONCENTRATIONS BELOW THE ESTABLISHED TLV LIMIT AS GIVEN BY OSHA. IN MORE CONFINED AREAS A NIOSH/MSHA APPROVED RESPIRATOR EQUIPPED W/ORGANI C VAPOR CARTRIDGE SHOULD BE WORN.

Ventilation:
MUST PROVIDE ADEQUATE VENTILATION. 9

Protective Gloves:
USE RUBBER GLOVES.

Eye Protection:
WEAR APPRVD SAFETY GOGGLES FACESHIELD.

Other Protective Equipment:
Equipment HAVE EYE BATH SAFETY SHOWER AVAILABLE.

Work Hygienic Practices:
NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:
EXPLAN OF CARCIN:CARCIN:1991:ANTIC TO BE CARCIN. BLOOD, HUMAN LIMITED. ANIMAL SUFFICIENT. SILICA, CRYSTALLINE-QUARTZ:IARC MONOGRAPHS, SUPPLEMENT, VOL 7, PG 341, 1987:GROUP 2A. NTP 6TH ANNUAL RPT ON CA RCIN, 1991:ANTIC TO BE CARCIN. FIRST AID PROC:PVNT ASPIR OF LIQ INTO LUNGS. NEVER GIVE ANYTHING BY MOUTH TO (ING 9)

Health Hazards Data

LD50LC50Mixture:
NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
YES

Carcinogenicity Inds - NTP:
YES

IARC:
YES

OSHA:
NO

Health Hazards Acute And Chronic:
OVEREXPOSURE MAY PRODUCE VARIOUS EFFECTS, INCLUDING: ACUTE TOXICITY, RESULTING IN HEADACHE, DIZZINESS, NAUSEA & LOSS OF CONSCIOUSNESS. SEVERE EYE IRRITATION POSSIBLY RESULTING IN PERMANENT DAMAGE. IR RITATED MUCOUS MEMBRANES. VOMITING DUE TO INGESTION. DEFATTING & DRYING OF SKIN. SENSITIZATION AFTER (EFTS OF OVEREXP)

Explanation Of Carcinogenicity:
SILICA, CRYSTALLINE-CRISTOBALITE:IARC MONOGRAPHS, SUPPLEMENT, VOL 7, PG 341, 1987:GROUP 2A. NTP 6TH ANNUAL RPT (SUPDAT)

Signs And Symptions Of Overexposure:
HLTH HAZ:REPEATED CONTACT. INTENTIONAL MISUSE BY DELIB CONCENTRATING & INHALING CONTENTS MAY BE HARMFUL/FATAL. CHRONIC: REPORTS HAVE ASSOCIATED RPTD & PRLNG OCCUP OVEREXPOSURE TO SOLVENTS W/PERM BRAIN & NERVOUS SYSTEM DAMAGE. PRLNG OVEREXPOSURE DUE TO INHALATION MAY CAUSE DELAYED LUNG INJURY/DISEASE (SILICOSIS).

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
EYES:FLUSH W/PLENTY OF CLEAN LUKEWARM LOW PRESS WATER FOR @ LEAST 15 MIN, OCCAS LIFTING EYELIDS OPEN. GET MED ATTN. INHAL:REMOVE TO FRESH AIR & PROVIDE OXYGEN IF BRTHG IS DFCLT. GIVE ARTF RESP IF NOT BRTHG. GET MED ATTN. KEEP WARM & COMFORTABLE. NEVER GIVE UNCON PERSON LIQ. INGEST:CALL MD IMMED. ONLY INDUCE VOMITING ON INSTRUCTIONS OF MD. IF VOMIT OCCURS SPONT, KEEP HEAD BELOW HIPS TO (SUPDAT)

Spill Release Procedures:
WARNING. FLAMMABLE. ELIMINATE ALL IGNITION SOURCES. HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING. SOAK UP WITH AN ABSORBENT & PLACE IN NON-LEAKING CONTAINERS. SEAL TIGHTLY FOR PROPER DISPOS AL.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
8 DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT LOCAL, STATE AND FEDERAL REGULATIONS. CONTACT AN APPROVED DISPOSAL FACILITY.

Handling And Storage Precautions:
TREAT AS HAZ-FLAMM MATL. KNOW APPLIC DOT REGS BEFORE ATTEMPTING TO TRANSPORT MATL. WARNING:HOT ORG CHEM VAP/MISTS ARE SUSCEPTIBLE TO SUDDEN (ING 11)

Other Precautions:
IGNIT MAY OCCUR AT TYPICAL ELEVATED TEMP PROCESS CNDTNS, ESP IN PROCESS OPERATING UNDER VACUUM IF SUBJECTED TO SUDDEN INGRESS OF AIR/OUTSIDE PROCESS EQUIP OPERATING UNDER ELEVATED PRESS IF SUDDEN ESCA PE OF VAP/MISTS TO ATM OCCURS. (ING 13)

Fire and Explosion Hazard Information

Flash Point Method:
SCC

Flash Point:

Flash Point Text:
22.0F,-5.6C

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
2%

Upper Limits:
N/K

Extinguishing Media:
FOAM, CARBON DIOXIDE OR DRY CHEMICAL.

Fire Fighting Procedures:
USE NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP (FP N). WATER MAY BE USED TO KEEP EXPOS CNTNRS COOL & FLAMM STRUCTURES WET. HAZ DECOMP PROD MAY BE PRESENT.

Unusual Fire/Explosion Hazard:
WATER PRESS MAY SPREAD A FLAMMABLE LIQUID FIRE. SEALED CONTAINERS MAY EXPLODE IF OVERHEATED.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
>174F,>79C

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
SEE INGS

Vapor Density:
HVR/AIR

Volatile Org Content %:

Spec Gravity:
1.14 (FP N)

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
4.61 X N-BUTYL ACETATE 10

Solubility in Water:
N/K

Appearance and Odor:
BROWN LIQUID

Percent Volatiles by Volume:
55.1

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
AVOID HEAT, SPARKS, OPEN FLAMES INCOMPATIBLES.

Materials To Avoid:
MAY BE INCOMPATIBLE WITH OXIDIZING AGENTS STRONG ALKALIES.

Hazardous Decomposition Products:
INCOMPLETE COMBUSTION FOR PRODUCTS LIKE THIS MAY GENERATE HIGHLY POISONOUS CARBON MONOXIDE OTHER TOXIC GASES.

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