

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-97/97-95-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

97-95-0

Code:

M

RTECS:

EL385000

Code:

M

Name:

2-ETHYL-1-BUTANOL (PRESENT AS A PRODUCT OF HYDROL)

Other REC Limits:

N/P

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

NOT NORMALLY NEEDED. USE NIOSH RESPIRATOR OR SUPPLIED AIR RESPIRATOR IF EXPOSED OVER TLV.

Ventilation:

NORMAL ROOM VENTILATION IS USUALLY SUFFICIENT. USE ADDITIONAL LOCAL EXHAUST AS NEEDED TO MAINTAIN EXPOSURE BELOW TLV.

Protective Gloves:

RUBBER,PLASTIC. 5

Eye Protection:

SAFETY GLASSES OR SPLASH GOGGLES.

Other Protective Equipment:

Equipment IF USE INVOLVS SPLASHING,ETC. USE APRONS,BOOTS,ETC. TO PREVENT PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:

USE GOOD CHEMICAL HYGIENE PRACTICES. AVOID ANY UNNECESSARY EXPOSURE.

Supplemental Safety and Health:

SEE DGSC-SLM CASE HISTORY 85098H. DESCRIBES EXPOSURE CASE HISTORY WITHIN DOD.

Health Hazards Data

LD50/LC50 Mixture:

ORAL RAT LD50=>10,000 MG/KG.

Route Of Entry Inds - Inhalation:

NO

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

PRODUCT IS PRACTICALLY NON-TOXIC. DERMAL CONTACT IS SLIGHTLY IRRITATING. 6 HR INHALATION STUDIES HAVE SHOWN NO EFFECTS DUE TO THE LOW VOLATILITY OF THE PRODUCT AND THUS LOW EXPOSURE LEVELS. SEE SUPP DATA.

Explanation Of Carcinogenicity:

N/P

Signs And Symptoms Of Overexposure:

OTHER THAN SLIGHT IRRITATION, NONE WERE REPORTED.

Medical Cond Aggravated By Exposure:

NONE REPORTED.

First Aid:

MFR MADE NO COMMENT ON FIRST AID PROCEDURES. FOLLOWING FROM HMIS: EYES:FLUSH WITH WATER 15 MIN. SKIN:REMOVE CONTAMINATED CLOTHING. LAUNDER BEFORE RE-USE. WASH PRODUCT FROM SKIN WITH SOAP AND WATER FLUSH. INHALED:REMOVE TO FRESH AIR. INGESTED:GET IMMEDIATE MEDICAL ATTENTION. IF IRRITATION FROM ANY CONTACT IS SEVERE OR PERSISTS,GET MEDICAL ATTENTION.

Spill Release Procedures:

CONTAIN AND RECOVER LIQUID IF POSSIBLE. ABSORB ON CLAY,SAWDUST,ETC. IF NOT.

Neutralizing Agent:

NONE

Waste Disposal Methods:

DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS. MFR SUGGESTS INCINERATION. DO NOT FLUSH TO SEWER OR PUBLIC WATER WAY.

Handling And Storage Precautions:

4 STORE TIGHTLY CLOSED IN AN AREA FREE FROM IGNITION SOURCES. PROTECT FROM MOISTURE. PRODUCT WILL HYDROLYZE. SEE SUPP DATA.

Other Precautions:

DO NOT EXPOSE TO MOISTURE AND HIGH TEMP ENVIRONMENTS WHICH MAY DETERIORATE PROD.;WATER AT HIGH TEMP CAUSED HYDROLYSIS;AVOID BREATHING VAP;WASH THOROUGHLY AFTER HANDLING;AVOID FIRE/IGN CONDITION

Fire and Explosion Hazard Information

Flash Point Method:

COC

Flash Point:**Flash Point Text:**

370F/188C

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

WATER SPRAY,FOAM,DRY CHEMICAL,CARBON DIOXIDE,OR OTHER MEDIA FOR CLASS B FIRES.

Fire Fighting Procedures:

WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS. DECONTAMINATE EQUIPMENT AFTER USE.

Unusual Fire/Explosion Hazard:

MAY EMIT HAZARDOUS FUMES IN FIRE CONDITIONS.

Physical/Chemical Properties

HCC:**NRC/State Lic No:**

N/R

Net Prop WT For Ammo:**Boiling Point:****B4P/F240C:**

644F/340C

Melt/Freeze Pt:**M/P/F/P Text:**

N/K

Decomp Temp:**Decomp Text:**

N/K

Vapor Pres:

<1.0MM

Vapor Density:

N/K

Volatile Org Content %:**Spec Gravity:**

N/K

VOC Pounds/Gallon:**pH:**

N/K

VOC Grams/Liter:**Viscosity:****17 CS:****Evaporation Rate & Reference:**

N/K

Solubility in Water:

VERY LOW

Appearance and Odor:

CLEAR,OILY LIQUID,MILD,SWEET ODOR.

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/P

Conditions To Avoid Polymerization:

N/R

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

MOISTURE,HIGH TEMPERATURES. SEE SUPP DATA.

Materials To Avoid:

STRONG OXIDIZERS,WATER.

Hazardous Decomposition Products:

NORMAL PRODUCTS OF HYDROCARBON COMBUSTION PLUS SILICON DIOXIDE AND PARTIAL SILICATE ESTERS.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/R

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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