

TOLUENE

MSDS Number

BHBYN

National Stock Number

6810-00-290-0048

Product Name

TOLUENE

Manufacturer

EXXON CO USA A DIV OF EXXON CORP

Product Identification

Product ID:TOLUENE
MSDS Date:05/23/1996
FSC:6810
NIIN:00-290-0048
MSDS Number: BHBYN

Responsible Party

EXXON CO USA, A DIV OF EXXON CORP.
800 BELL ST
HOUSTON , TX 77252-2180
US
Emergency Phone: 800-726-2015/800-424-9300(CHEMTREC)
Info Phone: 713-870-6000/6884 (HEALTH)
Cage: 29700

Contractor

EXXON COMPANY U.S.A.
687
HOUSTON, TX 77252-2180
US
713-656-5949 / 713-656-3424
Cage: 29700

Ingredients

TOLUENE (SARA 313) (CERCLA)
CAS: 108-88-3
RTECS: XS5250000
Fraction By Weight: 100%
OSHA PEL200 PPM; Z-2
ACGIH TLV: S, 50 PPM; 9596
EPA Report Quantity: 1000 LBS
DOT Report Quantity: 1000 LBS

Hazards

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, BRAIN,

LIVER, KIDNEY, LUNG. ACUTE- MAY CAUSE EYE & SKIN IRRITATION. MAY BE ABSORBED THROUGH SKIN. HARMFUL IF INGESTED. ASPIRATION HAZARD. INHALATION MAY CAUSE IRRITATION, CNS EFFECTS, BRAIN DAMAGE & POSSIBLY DEATH. CHRONIC- MAY CAUSE LIVER, KIDNEYS, BRAIN, CNS INJURY, DERMATITIS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, TEARING, REDNESS AND STINGING OF EYES, DRYING OF SKIN, NAUSEA, VOMITING, DIZZINESS, HEADACHE, DROWSINESS, WEAKNESS, FATIGUE, UNCONSCIOUSNESS, DEATH

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, LIVER, KIDNEYS, BRAIN, CNS MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

First Aid

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. KEEPAT REST.

Fire Fighting

Flash Point Method:TCC

Flash Point:45.0F,7.2C

Lower Limits:1.4%

Upper Limits:7.4%

Extinguishing Media:USE FOAM, DRY CHEMICAL OR CARBON DIOXIDE. WATER MAY BE INEFFECTIVE BUT SHOULD BE USED TO COOL FIRE-EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

Accidental Release

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH. TRANSFER TO PROPER CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS.

Neutralizing Agent:NOT RELEVANT

Handling

Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA, AWAY FROM SOURCES OF IGNITION.

Other Precautions:AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY. LAUNDRER BEFORE REUSE. KEEP OUT OF REACH OF CHILDREN.

Exposure Controls

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NITRILE FOR PROLONGED/REPEATED CONTACT

Eye Protection:SAFETY GLASSES WITH SIDE SHIELD/GOGGLES

Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

Chemical Properties

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:230F - 232F

Melt/Freeze Pt:M.P/F.P Text:<-76F,<-60C

Vapor Pres:47 @ 68F
Vapor Density:3.20
Spec Gravity:0.87
Viscosity:1 CST @ 77F
Evaporation Rate & Reference:2.4 (N-BUTYL ACETATE=1)
Solubility in Water:0.05% @ 77F
Appearance and Odor:CLEAR, WCOLORLESS LIQUID; AROMATIC ODOR
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:OPEN FLAMES, SPARKS AND OTHER SOURCES OF IGNITION
Hazardous Decomposition Products:FUMES, SMOKE, CARBON MONOXIDE, CARBON DIOXIDE

Disposal

Waste Disposal Methods:DISPOSAL MUST BE MADE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. REUSE OR INCINERATION IS RECOMMENDED. REPORTABLE QUANTITY FOR IS 1000 POUNDS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.