

TOLUENE

MSDS Number

BJDNG

National Stock Number

6810-00-411-4192

Product Name

TOLUENE

Manufacturer

HILL PETROLEUM COMPANY

Product Identification

Product ID:TOLUENE
MSDS Date:11/20/1989
FSC:6810
NIIN:00-411-4192
MSDS Number: BJDNG

Responsible Party

HILL PETROLEUM COMPANY

HOUSTON , TX 77262

US

Emergency Phone: 713-923-6641/800-424-9300(CHEMTREC)

Info Phone: 713-923-6641

Cage: 1FY31

Contractor

HILL PETROLEUM COMPANY

KROTZ SPRINGS, LA 70750

US

214-794-0800

Cage: 1FY31

Ingredients

TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight: 100%

OSHA PEL200 PPM/150 STEL

ACGIH TLV: 50 PPM; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE EFFECTS:SEVERE EYE
IRRITATION,NASAL AND RESPIRATORY TRACT IRRITATION,CENTRAL NERVOUS
SYSTEM EFFECTS,ANEMIA,IRREGULAR HEARTBEAT,HARMFUL OR FATAL IF
SWALLOWED. CHRONIC EFFECTS:MODERATE SKIN IRRITA
TION,DEFATTING,DERMATITIS,SECONDARY INFECTION,BEHAVIORAL CHANGES.
TARGET ORGANS ARE CNS,LIVER,KIDNEYS,SKIN.

Explanation of Carcinogenicity:NOT LISTED UNDER NTP, IARC OR OSHA.
Effects of Overexposure:EYE CONTACT:REDNESS,TEARING,BLURRED VISION.
SKIN CONTACT:REDNESS,ITCHING,INFLAMMATION. INHALATION:RESPIRATORY TRACT IRRITATION,EXCITATION,EUPHORIA,DIZZINESS,DROWSINESS,BLURRED VISION,FATIGUE,NAUSEA,HE ADACHE,TREMORS,CONVULSIONS,LOSS OF CONSCIOUSNESS. INGESTION:NAUSEA,VOMITING,DIARRHEA,RETLENESSNESS,CNS EFFECTS.

Medical Cond Aggravated by Exposure:PREEXISTING EYE, SKIN, HEART, CENTRAL NERVOUS SYSTEM AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

First Aid

First Aid:EYES: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES.SEE DOCTOR.
SKIN:REMOVE CONTAMINATED CLOTHING AND SHOES. WASH WITH SOAP AND WATER.SEE DOCTOR. INHALATION: REMOVE VICTIM TO FRESH AIR.GIVE OXYGEN/CPR IF NEEDED.SEE DOCTOR. INGESTION: DO NOT INDUCE VOMIT.GIVE VEGETABLE OIL OR CHARCOAL SLURRY.IF SPONTANEOUS VOMIT OCCURS,KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION INTO LUNGS.SEE DOCTOR IMMEDIATELY.

Fire Fighting

Flash Point:40.0F,4.4C

Lower Limits:1.3

Upper Limits:7.0

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS. VAPORS HEAVIER THAN AIR.CAN TRAVEL A LONG DISTANCE ALONG GROUND AND FLASHBACK.

Accidental Release

Spill Release Procedures:ELIMINATE IGNITION SOURCES. VENTILATE AREA. USE NON-SPARKING TOOLS. WEAR PROPER PROTECTIVE EQUIPMENT. STOP LEAK. ABSORB IN INERT ABSORBENT AND PLACE INTO APPROPRIATE DISPOSAL CONTAINER AND SEAL. PREVEN T SPILLED MATERIAL FROM ENTERING WATER STREAMS.

Neutralizing Agent:NOT APPLICABLE.

Handling

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED PLACE,AWAY FROM HEAT,IGNITION SOURCES AND INCOMPATIBLE MATERIALS.KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions:USE NON-SPARKING TOOLS AND EXPLOSION PROOF EQUIPMENT. GROUND CONTAINERS. AVOID BREATHING VAPORS, AND EYE AND SKIN CONTACT. USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY.

Exposure Controls

Respiratory Protection:NIOSH/MSHA RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE APPROPRIATE FOR EXPOSURE OF CONCERN OR SCBA IF TLV IS EXCEEDED.

Ventilation:SUFFICIENT MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW TLV.

Protective Gloves:NEOPRENE GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:FULL WORK CLOTHING TO PREVENT REPEATED OR PROLONGED SKIN CONTACT. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING. DISCARD CONTAMINATED LEATHER GOODS.

Supplemental Safety and Health

HIGH PRESSURE SKIN INJECTIONS ARE "SERIOUS MEDICAL EMERGENCIES".SEEK IMMEDIATE MEDICAL ATTENTION. DO NOT CUT,GRIND,DRILL,WELD OR REUSE EMPTY CONTAINERS.

Chemical Properties

HCC:F2
Boiling Pt:B.P. Text:230F,110C
Vapor Pres:814
Vapor Density:3.1
Spec Gravity:0.87
Solubility in Water:NEGLIGIBLE
Appearance and Odor:COLORLESS LIQUID WITH AROMATIC HYDROCARBON ODOR.
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, STRONG ACIDS, CAUSTICS, AND HALOGENBS.
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, AND
REACTIVE HYDROCARBONS (ALDEHYDES, AROMATICS, ETC.)

Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. USE LICENSED
TRANSPORTER AND DISPOSAL FACILITY.

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