

PHILLIPS 66 COMPANY -- TOLUENE,A42444,A42500 -- 6810-00-411-4192
===== Product Identification =====

Product ID:TOLUENE,A42444,A42500
MSDS Date:04/27/1989
FSC:6810
NIIN:00-411-4192
MSDS Number: BHBYQ
=== Responsible Party ===
Company Name:PHILLIPS 66 COMPANY
City:BARTLESVILLE,
State:OK
ZIP:74004
Country:US
Info Phone Num:918-661-8327
Emergency Phone Num:918-661-3865/8118
CAGE:46935
=== Contractor Identification ===
Company Name:EAGLE MILL SUPPLY CO INC
Address:
2819 W 7TH STREET
Box:City:TEXARKANA
State:TX
ZIP:75501-6423
Country:US
Phone:214-794-0800
CAGE:2V894
Company Name:PHILLIPS PETROLEUM CO
Address:613 ADAMS
Box:City:BARTLESVILLE
State:OK
ZIP:74004
Country:US
Phone:800-234-6603
CAGE:46935
Company Name:SHAPE PRODUCTS
Address:1127 57TH AVE.
Box:City:OAKLAND
State:CA
ZIP:94621-4427
Country:US
Phone:510-534-1186 OR 800-444-0015
CAGE:3D869

===== Composition/Information on Ingredients =====

Ingred Name:TOLUENE (SARA III)
CAS:108-88-

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RTECS #:XS5250000
Fraction by Wt: 99.95%
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE;IRRITATION OF
EYES,SKIN,RESPIRATORY AND G.I.TRACT;CNS EFFECTS LIKE
HEADACHE,DIZZINESS,CNS DEPRESSION NAUSEA. CHRONIC:DRYING OF
SK
IN,DERMATTIS.
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
Effects of Overexposure:SEE HEALTH HAZARDS DATA.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

===== First Aid Measures =====

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUS
CITATE IF NOT BREATHING.
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE
MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point Method:TCC
Flash Point:40.0F,
4.4C
Autoignition Temp:Autoignition Temp Text:TCC
Lower Limits:1.2
Upper Limits:7.1
Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER
FOG.
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:CONTAINERS MAY BURST WHEN EXPOSED TO HEAT
OF FIRE. CARBON OXIDES FORMED WHEN BURNED.

===== Acci

dental Release Measures =====

Spill Release Procedures:SMALL SPILL: WIPE/SOAK UP WITH PAPER TOWEL OR INERT ABSORBANT. PUT IN DISPOSAL CONTAINER. REMOVE RESIDUE WITH WATER. LARGE SPILL: EVACUATE AND VENTILATE AREA. IF POSSIBLE, STOP LEAK. DIKE TO RETAIN RU N OFF. VACUUM UP FREE LIQUID. ABSORB/WASH RESIDUE.

Neutralizing Agent:NOT APPLICABLE.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED

AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOS

URES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE AND DUST/MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves:NEOPRENE, NITRILE, VPC OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

===== Physical/Chemical Properties =====

HCC:F2

Boiling Pt:B.P. Text:231F,111C

Vapor Pres:1.03

Vapor Density:3.1

Spe

c Gravity:0.872
Evaporation Rate & Reference:>1.0(N-BUTYL ACETATE = 1)
Solubility in Water:NEGLIGIBLE
Appearance and Odor:CLEAR LIQUID,MILD AROMATIC ODOR
Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS,OXYGEN.
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OPEN FLAMES
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

===== Disposal
Considerations =====

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL
APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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