

## **TOLUENE,A42444,A42500**

### **MSDS Number**

BHBYQ

### **National Stock Number**

6810-00-411-4192

### **Product Name**

TOLUENE,A42444,A42500

### **Manufacturer**

PHILLIPS 66 COMPANY

### **Product Identification**

Product ID:TOLUENE,A42444,A42500

MSDS Date:04/27/1989

FSC:6810

NIIN:00-411-4192

MSDS Number: BHBYQ

### **Responsible Party**

PHILLIPS 66 COMPANY

BARTLESVILLE, , OK 74004

US

Emergency Phone: 918-661-3865/8118

Info Phone: 918-661-8327

Cage: 46935

### **Contractor**

SHAPE PRODUCTS

OAKLAND, CA 94621-4427

US

510-534-1186 OR 800-444-0015

Cage: 3D869

### **Ingredients**

TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight: 99.95%

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;IRRITATION OF EYES,SKIN,RESPIRATORY AND G.I.TRACT;CNS EFFECTS LIKE

HEADACHE,DIZZINESS,CNS DEPRESSION NAUSEA. CHRONIC:DRYING OF SKIN,DERMATITIS.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE 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

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.

## Accidental Release

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

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION  
EXPOSURES 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.

## Chemical Properties

HCC:F2  
Boiling Pt:B.P. Text:231F,111C

Vapor Pres:1.03  
Vapor Density:3.1  
Spec 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

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

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

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.