

TEXACO CHEMICAL CO -- TOLUENE,70309 -- 6810-00-281-2002

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Product Identification
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Product ID:TOLUENE,70309

MSDS Date:04/29/1993

FSC:6810

NIIN:00-281-2002

MSDS Number: BTCLR

=== Responsible Party ===

Company Name:TEXACO CHEMICAL CO

Box:27707

City:HOUSTON

State:TX

ZIP:77227

Country:US

Info Phone Num:914-838-7204MSDS(7336)/512-459-6543

Emergency Phone Num:914-831-3400/409-727-8381/424-9300

CAGE:19630

=== Contractor Identification ===

Company Name:HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609

City:WICHITA

State:KS

ZIP:67219

Country:US

Phone:316-838-4663

CAGE:0A9L8

Company Name:TEXACO CHEMICAL CO DIV OF TEXCAO INC

Address:4800 FOURNACE PL

Box:City:BELLAIRE

State:TX

ZIP:77401

Country:US

Phone:713-961-3711

CAGE:19630

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Composition/Information on Ingredients
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Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 100.0%

OSHA PEL:5

0 PPM; 9293
ACGIH TLV:100 PPM/150 STEL
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:BENZENE (SARA III)
CAS:71-43-2
RTECS #:CY1400000
Fraction by Wt: .01-.09%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1028
ACGIH TLV:10 PPM; A2; 9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 7.53 ML/KG.
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:CNS, EYES, SKIN, LUNGS,
GI TRACTS. ACUTE- MAY CAUSE EYE & SKIN IRRITATION.
PROLONGED/REPEATED SKIN CONTACT MAY RESULT IN ABSORPTION.
VAPORS/MIST MAY IRRITATE RESPIRATORY TRACT. IF MORE THAN SEVERAL
MOUTHFULS ARE SWALLOWED, ABDOMINAL DISCOMFORT, NAUSEA, DIARRHEA MAY
OCCUR. CHRONIC- MAY CAUSE CNS EFFECTS.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:EYES, SKIN, RESPIRATORY TRACT IRRITATION,
H
EADACHE, DIZZINESS, NAUSEA, VOMITING, DIARRHEA, WEAKNESS,
CONFUSION, IMPAIRED COORDINATION, DRYING SKIN, COUGHING, NASAL
DISCHARGE, DIFFICULTY IN BREATHING AND DROWSINESS
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY, RESPIRATORY OR
NERVOUS SYSTEM FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF
THIS PRODUCT.

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

First Aid:GET MEDICAL AT

TENTION IF SYMPTOMS PERSIST. SKIN:WASH WITH SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. ORAL:GET IMMEDIATE MEDICAL ATTENTION. ONLY INDUCEVOMITING AS DIRECTED BY A DOCTOR. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point Method:TCC
Flash Point:=4.4C, 40.F
Autoignition Temp:=480.C, 896.F
Lower Limits:1
.4
Upper Limits:7.6
Extinguishing Media:USE CARBON DIOXIDE, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & DISPERSE VAPORS.
Fire Fighting Procedures:WEAR NIOSH-APPROVED+PRESSURE SELF-CONTAINED BREATHING APPARATUS + FULL FACEPIECE. FOR MASSIVE FIRE, USE UNMANNED HOSE HOLDER. MOVE CONTAINERS AWAY IF POSSIBLE.
Unusual Fire/Explosion Hazard:VAPORS HEAVIER THAN AIR, CAN TRAVEL A LONG DISTANCE TO A SOURCE OF IGNITION AND FLASHBACK. WATER MAY BE IN EFFECTIVE. CONTAINERS MAY EXPLODE DUE TO HEAT OF FIRE.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN SPILL. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT MATERIAL SUCH AS SAND. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LIQU ID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.
Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =====
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Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA, AWAY FROM HEAT, FLAMES & INCOMPATIBLES. OUTSIDE STORAGE PREFERRED. FOR INSIDE USE STANDARD FLAMMABLE LIQUID STOREROOM.
Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT WELD, SOLDER OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS. THEY MAY EXPLODE AND CAUSE INJURY/DEATH. GROUND & BOUND SHIPPING CONTAINER . AVOID REPEATED/PROLONGED SKIN CONTACT.

===== Ex

posure Controls/Personal Protection =====

Respiratory Protection:IF WORKING IN A CONFINED AREA OR FIGHTING FIRE,
USE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED
AIR RESPIRATOR WITH FULL FACEPIECE, OPERATED IN POSITIVE PRESSURE
MODE.

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

Protective Gloves:PVA, NITRILE

Eye Protection:SPLASH-PROOF GOGGLES(NO CONTACT LENSES)

Other Protective E

quipment:IMPERVIOUS CLOTHING, COVERALLS OR LAB COAT,
EMERGENCY SHOWER, EYE WASH STATION

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. AVOID BREATHING
VAPORS OR MISTS.

Supplemental Safety and Health

NOTE TO PHYSICIAN:ASPIRATION DURING INDUCED EMESIS CAN RESULT IN LUNG
INJURY. GASTRIC LAVAGE AFTER ENDOTRACHEAL INTUBATION IS
RECOMMENDED. DUE TO LOW ELECTROCONDUCTIVITY OF THE SUBSTANCE, FLOW
OR AGITATION MAY GENERATE ELECTROSTATIC CHARGES RESULTING IN SPARKS
WITH PO

SSIBLE IGNITION. VAPOR-AIR MIXTURES ARE EXPLOSIVE.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=110.C, 230.F

Vapor Pres:36 @ 86F

Vapor Density:3.1

Spec Gravity:0.870

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR LIQUID, AROMATIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Conditio

n to Avoid:HEAT, SPARKS, OPEN FLAMES HOT SURFACES,
STATIC ELECTRICITY

Hazardous Decomposition Products:MAY FORM SMOKE, TOXIC LEVELS OF CARBON
MONOXIDE, CARBON DIOXIDE, IRRITATING ALDEHYDES AND KETONES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE
AND FEDERAL REGULATIONS. THIS PRODUCT HAS THE RCRA CLASSIFICATION
OF BENZENE TOXICITY AND IGNITABILITY. IF DISCARDED IN ITS PRESENT
FORM,
IT WOULD HAVE HAZARDOUS WASTE NUMBERS D018 AND D001
RESPECTIVELY.

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