

TEXACO CHEMICAL CO -- 70309 TOLUENE -- 6810-00-290-0048

===== Product Identification =====

Product ID:70309 TOLUENE

MSDS Date:04/29/1993

FSC:6810

NIIN:00-290-0048

MSDS Number: BWSNL

=== Responsible Party ===

Company Name:TEXACO CHEMICAL CO

Box:27707

City:HOUSTON

State:TX

ZIP:77227

Country:US

Info Phone Num:512-459-6543 914-838-7204

Emergency Phone Num:914-831-3400 800-424-9300(CHEMTREC)

CAGE:1963

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=== Contractor Identification ===

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

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

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:200 PPM; Z-2

ACGIH TLV:S, 50 PPM; 9394

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

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 7.53 ML/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:EYES:MAY CAUSE IRRITATION.SKIN:MAY
CAUSE IRRITATION.
MAY BE DERMALLY ABSORBED IN HARMFUL
AMOUNTS.INGEST:MAY CAUSE GI TRACT IRRITATION.MAY CAUSE LUNG DAMAGE
IF VOMITED AFTER INGESTING.INHAL:MAY CAUSE RE SPIRATORY
IRRITATION.CHRONIC:PERMANENT PSYCHOLOGICAL
DISORDERS,DERMATITIS,DAMAGE TO LIVER,KIDNEYS AND BLOOD FORMING ORGS
Explanation of Carcinogenicity:CONTAINS B [71-43-2] WHICH IS
LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.
Effects of
Overexposure:EYES:REDNESS.SKIN:REDNESS,SWELLING.INHAL:PROLONGED
EXPO
SURE MAY CAUSE DIFFICULT
BREATHING,HEADACHE,NAUSEA,VOMITING,DROWSINESS.INGEST:ABDOMINAL
DISCOMFORT,NAUSEA,DIARRHEA.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING CNS,LIVER
OR KIDNEY AILMENTS,DIABETES,PARKINSONISM OR ALCOHOL OR DRUG ABUSE
PROBLEMS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

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

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

Flash Point Method:TCC
Flash Point:40.0F,4.4C
Autoignition Temp:Autoignition Temp Text:896F
Lower Limits

:1.4

Upper Limits:7.6

Extinguishing Media:CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.WATER MAY BE AN INEFFECTIVE EXTINGUISHANT.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:AIR-VAPOR MIXTURES ARE EXPLOSIVE. VAPORS ARE HEAVIER THAN AIR,CAN TRAVEL DISTANCES ALONG THE GROUND,AND FLASHBACK AT THE SOURCE.DECOMPOSITION PRODS ARE TOXIC.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES. VENTILATE AREA. WEAR PROPER PROTECTIVE EQUIPMENT. ABSORB IN INERT ABSORBENT AND TRANSFER TO HOOD.

Neutralizing Agent:NOT APPLICABLE.

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

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:AVOID BREATHING VAPORS, AND EYE AND SKIN CONTACT. USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. EMPTY CONTAINERS RETAIN RESIDUE, TREAT THEM AS IF THEY WERE FULL.

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

Respiratory Protection:NONE NORMALLY REQUIRED WITH ADEQUATE VENTILATION. NIOSH/MSHA RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE APPROPRIATE FOR EXPOSURE OF CONCERN OR SCBA IF TLV IS EXCEEDED.

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

Protective Gloves:NEOPRENE GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment: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
NOTE TO PHYSICIAN:GASTRIC

LAVAGE WITH AN ENDOTRACHEAL TUBE IS THE
METHOD LEAST LIKELY TO CAUSE ASPIRATION PNEUMONITIS.

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

HCC:F2

Boiling Pt:=110.C, 230.F

Vapor Pres:36 @ 86F

Vapor Density:3.2

Spec Gravity:0.872

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR COLORLESS LIQUID. BENZENE-LIKE ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRO

NG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, AND
REACTIVE HYDROCARBONS (ALDEHYDES, KETONES, AROMATICS, ETC.)

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

Waste Disposal Methods:CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER.
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND
LOCAL ENVIRONMENTAL REGULATIONS.RCRA CODE IS U220.

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