

MOBIL OIL CORP -- TOLUENE -- 6810-00-290-0046

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

Product ID:TOLUENE

MSDS Date:08/08/1996

FSC:6810

NIIN:00-290-0046

Status Code:A

MSDS Number: CJDDV

=== Responsible Party ===

Company Name:MOBIL OIL CORP

Address:3225 GALLOWS RD

City:FAIRFAX

State:VA

ZIP:22037-0001

Country:US

Emergency Phone Num:609-737-4411

Chemtrec Ind/Phone:(800)424-9300

CAGE:6G112

=== Contractor I

dentification ===

Company Name:MAGNOLIA CHEMICALS AND SOLVENTS

Address:1020 SAMS AVENUE

Box:10276

City:NEW ORLEANS

State:LA

ZIP:70181-0278

Country:US

Phone:504-733-6600

Contract Num:SP0450099MC017

CAGE:0LNB7

Company Name:MOBIL OIL CORP

Address:3225 GALLOWS RD

Box:City:FAIRFAX

State:VA

ZIP:22037

Country:US

Phone:800-662-4525, 856-224-4644

CAGE:6G112

Company Name:MOBIL OIL CORPORATION

Address:BEAUMOUNT REFINERY INTERSTATE 10

Box:3311

City:BEAUMONT

State:TX

ZIP:77704

Country:US

Phone:609-737-4411/8

00-424-9300(CHEMTREC)
CAGE:19135

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

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
= Wt:100.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:LD50 ORAL RAT IS >7 G/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:N
TP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:RESPIRATORY IRRITATION, DIZZINESS,
NAUSEA, LOSS OFF CONSCIOUSNESS, HEADACHE, FATIGUE, GIDDINESS,
FAINTING, WEAKNESS, LOSS OF COORDINATION. IRRITATION TO EYES &
RESPIRATORY TRACT ABOVE 200 PPM. CNS DEP RESSION MAY RESULT AT
LEVELS ABOVE 10,000 PPM. EYE IRRITATION. SKIN IRRITATION. PROLONGED
OR REPEATED SKIN CONTACT WITH LOW VISCOSITY MATERIALS MAY DEFAT THE
SKIN RESULTING IN POSSIBLE IRRITATION & DE RMATITIS.

Explan
ation of Carcinogenicity:NO CARCINOGENIC EFFECTS OBSERVED FROM
TOLUENE WHEN APPLIED TO SKIN OF MICE FOR 2 YEARS. 2 YEAR NTP
INHALATION STUDY SHOWED NO CARCINOGENIC EFFECTS IN RATS OR MICE.

Effects of Overexposure:RESPIRATORY IRRITATION, DIZZINESS, NAUSEA, LOSS
OFF CONSCIOUSNESS, HEADACHE, FATIGUE, GIDDINESS, FAINTING,
WEAKNESS, LOSS OF COORDINATION. IRRITATION TO EYES & RESPIRATORY
TRACT ABOVE 200 PPM. CNS DEP RESSION MAY RESULT AT LEVELS ABOVE
10,000 PPM. EYE IRRITATION
. SKIN IRRITATION. PROLONGED OR REPEATED
SKIN CONTACT WITH LOW VISCOSITY MATERIALS MAY DEFAT THE SKIN
RESULTING IN POSSIBLE IRRITATION & DE RMATITIS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH THOROUGHLY WITH PLENTY OF WATER. SEE DOCTOR.
SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. SEE
DOCTOR. INHALATION: REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN/CP

R IF

NEEDED. SEE DOCTOR. INGESTION: DO NOT INDUCE VOMITING. GIVE 1 OR 2 GLASSES OF WATER., IF CONSCIOUS. IF SPONTANEOUS VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION INTO LUNGS. SEE DOCTOR IMMEDIATELY . NOTE TO PHYSICIANS: MATERIAL, IF ASPIRATED INTO LUNGS, MAY CAUSE CHEMICAL PNEUMONITIS. TREAT APPROPRIATELY.

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

Flash Point Method:TCC

Flash Point:=-4.C, 39.2F

Lower Limits:1.2

Upper Limits:7.1

E

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

Fire Fighting Procedures:USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND TO PROTECT PERSONNEL ATTEMPTING TO STOP LEAK. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURES. PREVENT RUNOFF FROM FIRE CONTROL OR DILUTION FROM ENTERING STREAMS, SEWERS, OR DRINK

Unusual Fire/Explosion Hazard:EXTREMELY FL

AMMABLE. VAPOR ACCUMULATION

COULD FLASH AND /OR EXPLODE IF IN CONTACT WITH OPEN FLAME. FLASH POINT C(F): 4(40) (ASTM D-56). FLAMMABLE LIMITS -LEL: 1.2PERCENT, UEL: 7.1PERCENT. SPECIAL PROTECTIVE EQUIPMENT: FIRES IN ENCLOSED AREA, FIRE FIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES. REMOVE LEADING CONTAINERS TO DETACHED AREA. VENTILATE AREA. WEAR

PROPER

PROTECTIVE EQUIPMENT. ABSORB IN INERT ABSORBENT AND SHOVEL UP WITH SPARK-RESISTANT SHOVEL AND REMOVE TO APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS. FOR LARGE SPILLS CONTAIN MATERIAL AND PUMP BACK TO HOLDING TANK.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== 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:APPROVED RESPIRATORY EQUIPMENT MUST BE USED WHEN AIRBORNE CONCENTRATIONS ARE UNKNOWN OR EXCEED THE TLV.

Ve

ntilation:USE IN WELL VENTILATED AREA W/LOCAL EXHAUST VENTILATION.

USE EXPLOSION-PROOF EQUIPMENT. USE AWAY FROM ALL IGNITION SOURCES.

Protective Gloves:IMPERVIOUS 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. GOOD PERSONAL HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.

Supplemental Safety and Health

NEVER USE WELDING OR CUTTING TORCH NEAR THIS ITEM, BECAUSE PRODUCT, EVEN JUST RESIDUE, CAN IGNITE EXPLOSIVELY.

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

HCC:F2

Boiling Pt:=110.C, 230.F

Melt/Freeze Pt:=-95.C, -139.F

Vapor Pres:22.0 @ 20C

Vapor Density:3.2

Spec Gravity:0.872

Viscosity: 4.92

(RATS); ORAL, RATS, LD50(G/KG) : .5.0; RATS, DERMAL LD50 (G/KG) : >2.0; EYE IRRITATION: NOT AN IRRITANT (

RABBITS); SKIN IRRITATION:

NOT AN IRRITANT (RABBITS); SKIN SENSITIZER: NO DATA AVAILABLE.

=====
===== Ecological Information =====

Ecological:ACUTE LC/EC50 FISH: JUVENILE RAINBOW TROUT: HARMFUL--BASED ON TESTING OF SIMILAR PRODUCTS.

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

Waste Disposal Methods:PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED, CONTROLLED BURNER FOR FUEL VALUE OR DISPOSAL BY SUPERVISED INCINERATION. USE OF

THESE METHODS IS SUBJECT TO USER COMPLIANCE
WITH APPLICABLE LAWS AND REGULATIONS AND CONSIDERATION OF PRODUCT
CHARACTERISTICS AT TIME OF DISPOSAL.

===== MSDS Transport Information =====

Transport Information:US DOT SHIPPING NAME: TOLUENE. HAZARD
CLASS/DIVISION: 3. ID NUMBER: UN1294. ERG NUMBER: 130. PACKING
GROUP:PG II. LABEL: FLAMMABLE LIQUID. PLACARD: FLAMMABLE LIQUID.
PRODUCT RQ: 1000 LBS.

===== Regulatory Information =====

SARA Title III Information:CONTAINS NO EXTREMELY HAZARDOUS SUBSTANCES
AS REGULATED UNDER SARA TITLE III. SARA 311/312 REPORTABLE HAZARD
CHARACTERISTICS: FIRE, CHRONIC, ACUTE. CONTAINS FLOWING SARA 313
TOXIC RELEASE CHEMICALS: TOLUENE, CAS# 108-88-3, 100%.

Federal Regulatory Information:USED PRODUCT MAY BE SUBJECT TO RCRA
REGULATIONS (40 CFR 261) DUE TO THE CHARACTERISTIC : IGNITABILITY
(FLASH POINT: 4C(40F). SALES, RECEIPTS, MOVEMENTS OR UNEXPLAINABLE

LOSSES MAY REQUIRE RECORDKEEPING & REPORTING IAW 21 CFR 1310/1313
(DEA). TOLUENE IS LISTED IN THE FOLLOWING LISTS: ACGIH-ALL; OSHA Z.

State Regulatory Information:TOLUENE, CAS# 108-88-3, 100% IS LISTED
UNDER THE FOLLOWING STATE LISTS: CALIFORNIA PROPOSITION 65,
RIGHT-TO-KNOW; FLORIDA RIGHT-TO-KNOW; ILLINOIS RIGHT-TO-KNOW;
MICHIGAN RIGHT-TO-KNOW; MINNISOTOA RIGHT-TO-KNOW; NEW JERSEY
RIGHT-TO-KNOW; PENNSYLVANIA RIGHT-TO-KNOW; RHODE ISLAND
RIGHT-TO-KNOW.

===== Other Information =====

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 suita

bility of this information to their particular situation.