

MOBIL OIL CORP -- 870808-00,SOLVENT XYLENE -- 6810-00-584-4070

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

Product ID:870808-00,SOLVENT XYLENE

MSDS Date:08/21/1998

FSC:6810

NIIN:00-584-4070

Status Code:A

MSDS Number: CKSFV

=== Responsible Party ===

Company Name:MOBIL OIL CORP

Address:3225 GALLOWS RD

City:FAIRFAX

State:VA

ZIP:22037

Country:US

Info Phone Num:800-662-4525 OR 703-849-3451

Preparer's Name:NOT

PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:6G112

=== Contractor Identification ===

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:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

Contract Num:SP0450-00-M-SG12

CAGE:0PGK2

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

Ingred Name:M-XYLENE

CAS:1

08-38-3

RTECS #:ZE2275000

Minumum % Wt:55.

Maxumum % Wt:65.

Other REC Limits:NOT PROVIDED

OSHA PEL:435 MG/M3;100 PPM

ACGIH TLV:434 MG/M3;100 PPM

ACGIH STEL:651 MG/M3;150 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE

CAS:100-41-4

RTECS #:DA0700000

Minumum % Wt:10.

Maxumum % Wt:20.

Other REC Limits:NOT PROVIDED

OSHA PEL:435 MG/M3;100 PPM

ACGIH TLV:434 MG/M3;100 PPM

ACGIH STEL:543 MG/M3;125 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:O-XYLENE

CAS:95-47-6

RT

ECS #:ZE2450000

Minumum % Wt:10.

Maxumum % Wt:20.

Other REC Limits:NOT PROVIDED

OSHA PEL:435 MG/M3;100 PPM

ACGIH TLV:434 MG/M3;100 PPM

ACGIH STEL:651 MG/M3;150 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:P-XYLENE

CAS:106-42-3

RTECS #:ZE2625000

Minumum % Wt:5.

Maxumum % Wt:15.

Other REC Limits:NOT PROVIDED

OSHA PEL:435 MG/M3;100 PPM

ACGIH TLV:434 MG/M3;100 PPM

ACGIH STEL:651 MG/M3;150 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE

CAS:108-88-3

RTECS #:XS5250000

Minimum % Wt:1.  
Maximum % Wt:5.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:SEE TABLE Z-2  
ACGIH TLV:188 MG/M3;50 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) > 2,000 MG/KG  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:US OSHA HAZARD COMMUNICATION STANDARD:  
PRODUCT ASSESSED IN ACCORDANCE WITH OSHA 29 CFR 1910.1200 AND  
DETERMINED TO BE HAZARDOUS. EFFECTS OF OVEREXPOSURE: IRRITATION TO  
EYES, NOSE AND THROAT AT EXPOSURE LEVELS ABOVE 100 PPM.  
RESPIRATORY IRRITATION, DIZZINESS, NAUSEA, LOSS OF CONSCIOUSNESS.  
RESPIRATORY DISTRESS, CONFUSION AND COMA IN CASES OF SIGNIFICANT  
OVEREXPOSURE. EXCESSIVE BREATHING OF VAPORS CAN RESULT IN  
TEMPORARY LIVER OR KIDNEY DAMAGE. PROLONGED REPEATED SKIN CONTACT  
WITH LOW VISCOSITY MATERIALS MAY DEFAT THE SKIN RESULTING IN  
POSSIBLE IRRITATION AND DERMATITIS. SWALLOWING MAY RESULT IN  
  
SEVERE GASTROINTESTINAL IRRITATION.

Explanation of Carcinogenicity:NONE  
Effects of Overexposure:US OSHA HAZARD COMMUNICATION STANDARD: PRODUCT  
ASSESSED IN ACCORDANCE WITH OSHA 29 CFR 1910.1200 AND DETERMINED TO  
BE HAZARDOUS. EFFECTS OF OVEREXPOSURE: IRRITATION TO EYES, NOSE AND  
THROAT AT EXPOSURE LEVELS ABOVE 100 PPM. RESPIRATORY IRRITATION,  
DIZZINESS, NAUSEA, LOSS OF CONSCIOUSNESS. RESPIRATORY DISTRESS,  
CONFUSION AND COMA IN CASES OF SIGNIFICANT OVEREXPOSURE. EXCESSIVE  
  
BREATHING OF VAPORS CAN RESULT IN TEMPORARY LIVER OR KIDNEY  
DAMAGE. PROLONGED REPEATED SKIN CONTACT WITH LOW VISCOSITY  
MATERIALS MAY DEFAT THE SKIN RESULTING IN POSSIBLE IRRITATION AND  
DERMATITIS. SWALLOWING MAY RESULT IN SEVERE GASTROINTESTINAL  
IRRITATION.

Medical Condition Aggravated by Exposure:NOT PROVIDED

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

First Aid:EYE CONTACT: FLUSH THOROUGHLY WITH WATER. IF IRRITATION  
OCCURS, CALL PHYSICIAN.SKIN CONTACT

CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. INHALATION: REMOVE FROM FURTHER EXPOSURE. IF RESPIRATORY IRRITATION, DIZZINESS, NAUSEA/UNCONSCIOUSNESS OCCURS, SEEK IMMEDIATE MEDICAL ASSISTANCE. IF BREATHING HAS STOPPED, ASSIST VENTILATION WITH BAG-VALVE-MASK DEVICE/USE MOUTH-TO-MOUTH RESUSCITATION. INGESTION: SEEK IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NOTE TO PHYSICIANS: MATERIAL IF ASPIRATED INTO THE LUNGS MAY CAUSE CHEMICAL PNEUMONITIS. TREAT APPROPRIATELY

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

Flash Point: =27.2C, 81.F  
Autoignition Temp: =426.7C, 800.F  
Lower Limits: 1.1  
Upper Limits: 7.0  
Extinguishing Media: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL.  
Fire Fighting Procedures: IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPORS AND TO PROTECT PERSONNEL. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY. PREVENT RUNOFF FROM ENTERING STREAMS, SEWERS, OR DRINKING WATER SUPPLY. FOR FIRES IN ENCLOSED AREAS, FIRE FIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard: FLAMMABLE. VAPOR ACCUMULATION COULD FLASH AND/OR EXPLODE IF IGNITED.

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

Spill Release Procedures: REPORT SPILLS AS REQUIRED. COAST GUARD TOLL FREE NUMBER (800) 424-8802. ELIMINATE ALL IGNITION SOURCES. ADSORB ON FIRE RETARDANT TREATED SAWDUST, DIATOMACEOUS EARTH, ETC. SHOVEL UP WITH SPARK-RESISTANT SHOVEL AND REMOVE TO APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH CURRENT APPLICABLE LAWS. FOR LARGE SPILLS: CONTAIN AND PUMP TANK. PREVENT SPILLS FROM ENTERING SEWERS OR DRAINS.  
Neutralizing Agent: NOT RELEVANT

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

Handling and Storage Precautions: DRUMS MUST BE GROUNDED AND B

ONDED AND

EQUIPPED WITH SELF-CLOSING VALVES, PRESSURE VACUUM BUNGS AND FLAME ARRESTERS. OUTSIDE OR DETACHED STORAGE PREFERRED. STORAGE CONTAINERS SHOULD BE GROUNDED AND BONDED. STORE IN A COOL AREA AWAY FROM ALLIGNITION SOURCES.

Other Precautions:AVOID CONTACT WITH SKIN. AVOID INHALATION OF VAPORS OR MISTS. USE IN WELL VENTILATED AREA AWAY FROM ALL IGNITION SOURCES. AVOID SPARKING CONDITIONS. GROUND AND BOND ALLTRANSFER EQUIPMENT.

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Exposure Contro

ls/Personal Protection =====

Respiratory Protection:APPROVED RESPIRATORY PROTECTIVE EQUIPMENT MUST BE USED WHEN VAPOR OR MISTS CONCENTRATIONS EXCEED APPLICABLESTANDARDS.

Ventilation:USE IN WELL VENTILATED AREA WITH LOCAL EXHAUST VENTILATION. VENTILATION REQUIRED AND EQUIPMENT MUST BE EXPLOSION PROOF. USE AWAY FROM ALL IGNITION SOURCES.

Protective Gloves:IF PROLONGED/REPEATED SKIN CONTACT IS LIKELY, IMPERVIOUS GLOVES SHOULD BE WORN.

Eye Protection:NORMAL INDUSTRIAL EYE PROTECTION PRACTICES SHOULD BEEMPLOYED.

Other Protective Equipment:IF PROLONGED/REPEATED SKIN CONTACT IS LIKELY, IMPERVIOUS GLOVES SHOULD BE WORN.

Work Hygienic Practices:GOOD PERSONAL HYGIENEPRACTICES SHOULD ALWAYS BE FOLLOWED.

Supplemental Safety and Health  
NONE

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Physical/Chemical Properties =====

HCC:F3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=137.8C, 280.F

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:8.5 @ 20C/68F

Vapor Density:3.6

Spec

Gravity:0.87  
VOC Grams/Liter:7.24  
Viscosity:0.8 CST @ 40C/104F  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:COLORLESS LIQUID, XYLENE ODOR  
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS, ACTIVEMETALS, HALOGENS, ACIDS.  
Stability Condition to Avoid:HEAT, SPARKS, FLAME AND BUILD UP OF  
STATICELECTRICITY.  
Hazardous Decomposition Products:CARBON MONOXIDE.

===== Toxicological Information =====

Toxicological Information:ORAL TOXICITY (RATS): PRACTICALLY NON-TOXIC  
(LD50: GREATER THAN 2000 MG/KG). ---BASED ON TESTING OF SIMILAR  
PRODUCTS AND/OR COMPONENTS. DERMAL TOXICITY (RABBITS): HARMFUL  
(LD50: GREATER THAN 400 BUT 2000 MG/KG OR LESS). ---BASED  
ONTESTING OF SIMILAR PRODUCTS AND/OR COMPONENTS. INHALATION  
TOXICITY (RATS): HARMFUL (LC50: GREATER THAN 2 BUT 5 MG/L OR  
LESS). ---BASED ON TESTING OF SIMILAR PR  
ODUCTS AND/OR COMPONENTS.  
THERE ARE NO KNOWN REPRODUCTIVE EFFECTS IN HUMANS EXPOSED TO  
XYLENES. NO BIRTH DEFECTS OR TOXIC EFFECTS ON DEVELOPING FETUSES  
WERE OBSERVED IN STUDIES OF PREGNANT RATS EXPOS ED TO 500 PPM  
COMMERCIAL XYLENE.

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

Ecological:THIS MATERIAL IS TOXIC TO FISH AND WILDLIFE. DO NOT  
DISCHARGE INTO LAKES, STREAMS, PONDS, ETC.

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

Waste Disposal Methods:PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED,  
CONTROLLED BURNER FOR FUEL VALUE/DISPOSAL BY SUPERVISED  
INCINERATION. SUCH BURNING MAY BE LIMITED PURSUANT TO RESOURCE  
CONSERVATION AND RECOVERY ACT. IN ADDITION, PRODUCT IS SUITABLE  
FOR PROCESSING BY AN APPROVED RECYCLING FACILITY/CAN BE DISPOSED OF  
A T AN APPROPRIATE GOVERNMENT WASTE DISPOSALFACILITY

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

Transport Information:USA DOT:S

SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S.

(CONTAINS XYLENE-AND- ETHYL BENZENE). HAZARD CLASS & DIV:3 ID  
NUMBER: UN1993 ERG NUMBER:128, PACKING GROUP: PG III. LABEL(S):  
FLAMMABLE LIQUID PLACARD (S): FLAMMABLE. RQ: 1242 LBS (BASED ON  
RQ FOR XYLENE). IMO:HAZARD CLASS & DIV: 3.3UN NUMBER: 1993  
PACKING GROUP: PG III SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S.  
(CONTAINS XYLENE-AND- ETHYL BENZENE) LABEL(S): FLAMMABLE LIQUID.  
ICAO/IATA:HAZARD CLASS & DIV: 3ID/UN NUMBER: 1

993 PACKING GROUP:

PG III SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (CONTAINS  
XYLENE-AND- ETHYL BENZENE)SUBSIDIARY LABEL(S): FLAMMABLE LIQUID

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Regulatory Information  
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SARA Title III Information:THIS PRODUCT CONTAINS NO "EXTREMELY  
HAZARDOUS SUBSTANCES". SARA (311/312) REPORTABLE HAZARD CATEGORIES:  
FIRE CHRONIC ACUTE. THIS PRODUCT CONTAINS THE FOLLOWING SARA  
(313) TOXIC RELEASECHEMICALS: CH EMICAL NAME CAS  
NUMBER ?

CONC. -----

----- O-XYLENE	95-47-6	
13.2% ETHYL BENZENE	100-41-4	
16.8% P-XYLENE	106-42-3	6.14% M-XYLENE 108-38-3
61.2% TOLUENE	108-88-3	
2.5%		

Federal Regulatory Information:ALL COMPONENTS COMPLY WITH TSCA. RCRA  
INFORMATION: DISPOSAL OF UNUSED PRODUCT MAY BE SUBJECT TO RCRA  
REGULATIONS (40 CFR 261). DISPOSAL OF THE USED PRODUCT MAY ALSO  
BE REGULATED

DUE TO IGNITABILITY , CORROSIVITY, REACTIVITY, OR  
TOXICITY AS DETERMINED BY THE TOXICITY CHARACTERISTIC  
LEACHINGPROCEDURE (TCLP).

State Regulatory Information:NOT PROVIDED

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Other Information  
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