

EXXON CHEMICAL AMERICAS/A DIV OF EXXON CORP -- TOLUENE -- 6810-00-281-2002

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

Product ID:TOLUENE

MSDS Date:03/01/1995

FSC:6810

NIIN:00-281-2002

Status Code:A

MSDS Number: CJMWX

=== Responsible Party ===

Company Name:EXXON CHEMICAL AMERICAS/A DIV OF EXXON CORP

Address:13501 KATY FWY

Box:3272

City:HOUSTON

State:TX

ZIP:77253-3272

Country:US

Info Phone Num:713-870-6000

713-584-7600

Emergency Phone Num:713-656-3424/800.726.2015

Chemtrec Ind/Phone:(800)424-9300

CAGE:72190

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

Contract Num:SP0450-99-M-C998

CAGE:4N760

Company Name:EXXON COMPANY U.S.A.

Address:Box:2180

City:HOUSTON

State:TX

ZIP:77252-2180

Country:US

Phone:713-656-5949 / 713-656-3424

CAGE:29700

Company Name:EXXONMOBIL CHEMI

CAL CO, DIV OF EXXON MOBILCORP.
Address:13501 KATY FWY
Box:3272
City:HOUSTON
State:TX
ZIP:77253-3272
Country:US
Phone:281-870-6000 / 800-726-2015
CAGE:72190

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

Ingred Name:TOLUENE (SARA 313) (CERCLA)
CAS:108-88-3
RTECS #:XS5250000
= Wt:100.
OSHA PEL:200 PPM; Z-2
ACGIH TLV:S, 50 PPM; 9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE:IRRITATING BUT NOT INJURIOUS.
SKIN:PROLONGED/REPEATED SKIN CONTACT MAY IRRITATE & CAUSE
DERMATITIS. INHALED:VAPOR/AEROSOL CONCENTRATIONS GREATER THAN 1000
PPM IRRITATE EYES & RESPIRATORY TRACT & CAUSE CNS
DEPRESSION/INJURY,HEADACHE,DIZZINESS. INGESTED:SMALL AMOUNTS
ASPIRATED INTO LUNGS MAY CAUSE MILD TO SEVERE
PULMONARY INJURY.
Explanation of Carcinogenicity:MFR LISTED NO INFORMATION ABOUT THE
CARCINOGENICITY OF THIS MATERIAL. HMIS DOES NOT EXPECT IT TO BE
CARCINOGENIC.
Effects of Overexposure:EYE IRRITATION. PROLONGED/REPEATED SKIN CONTACT
MAY IRRITATE & CAUSE DERMATITIS. INHALATION:HEADACHE, DIZZINESS,
ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, BRAIN DAMAGE & POSSIBLY
DEATH. INGESTED:ASPIRATION INTO THE LUNGS DURING INGESTION OR
VOMITING, MAY CAUSE RESPIRATORY INJURY & POSSIBL

Y DEATH.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE:FLUSH WITH WATER UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN:WASH WITH SOAP & WATER. REMOVE GROSSLY CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. INHALED:WEARING PROPER RESPIRATORY PROTECTION, REMOVE VICTIM TO FRESH AIR. AID/RESTORE BREATHING IF NECESSARY. CALL FOR PROMPT MEDICAL ATTENTION. INGESTED: DO NOT INDUCE VOMITING. KEEP QUIET & GET IMMEDIATE MEDICAL CARE.

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

Flash Point Method:TCC
Flash Point:=7.2C, 45.F
Autoignition Temp:=552.2C, 1026.F
Lower Limits:1.4
Upper Limits:7.4
Extinguishing Media:DO NOT USE WATER AS THIS MAY SPREAD FIRE (FLOATS). USE FOAM OR DRY CHEMICAL TO EXTINGUISH.
Fire Fighting Procedures:USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS & TO PROTECT PERSONNEL. STOP LEAK IF SAFE TO DO SO. IF LEAK HAS NOT IGNITED, USE WATER SPRAY TO DISPEL VAPORS.
Unusual Fire/Explosion Hazard:FLAMMABLE LIQUID, CAN RELEASE VAPORS THAT FORM FLAMMABLE MIXTURES AT TEMPERATURES AT OR ABOVE THE FLASHPOINT. MATERIAL MAY ACCUMULATE STATIC CHARGES WHICH CAN CAUSE INCENDIARY ELECTRICAL DISCHARGE.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. STOP LEAK IF NO RISK. SMALL SPILL: IMPLEMENT CLEANUP PROCEDURES. LARGE SPILL: KEEP PUBLIC AWAY & ADVISE AUTHORITIES. KEEP OUT OF SEWERS, WATERCOURSES, LOW AREAS. CONTAIN WITH SAND OR EARTH. RECOVER BY PUMPING OR ABSORBENT. WATER SPILL: WARN PUBLIC & SHIPPING. REMOVE FROM SURFACE WITH ABSORBENTS. IF ALLOWED, SINKING/DISPERSANTS CAN BE USED.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, WELL-VENTILATED

ED AREA

AWAY FROM INCOMPATIBLE MATERIALS. DO NOT HANDLE OR STORE NEAR OPEN FLAME, HEAT OR OTHER SOURCES OF IGNITION. PROTECT FROM SUNLIGHT. USE PROPER GROUNDING PROCEDURE S.

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, OR HEAT CONTAINERS. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE. DO NOT REUSE EMPTY CONTAINERS WITHOUT COMMERCIAL CLEANING OR RECONDITIONING.

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

Respiratory Protection:WHERE AIRBORN CONCENTRATIONS EXCEED LIMITS AND VENTILATION & WORK PRACTICE DOES NOT REDUCE EXPOSURE TO BELOW LIMITS, USE A NIOSH/MSHA APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE BY INHALATION.

Ventilation:USE LOCAL EXHAUST TO CONTROL EMISSIONS NEAR SOURCE. USE MECHANICAL VENTILATION FOR ENCLOSED SPACES.USE EXPLOSION-PROOF VENTILATION EQUIPMENT.

Protective Gloves:CHEMICAL RESISTANT.

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS

Other Protective Equipment:LONG SLEEVES. HMIS RECOMMENDS GOGGLES

REPLACE THE ABOVE RECOMMENDATION FOR EYE PROTECTION.

Work Hygienic Practices:MINIMIZE EXPOSURE TO LIQUIDS, VAPORS, MISTS OR FUMES.

Supplemental Safety and Health

EXPOSURE LIMITS: A TWA OF 100PPM (375MG/M3) AND A STEL OF 150 PPM(560MG/M3) FOR TOLUENE.

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

HCC:F3

Boiling Pt:=110.6C, 231.F

B.P. Text:230-232F

Melt/Freeze Pt:=-60.C, -76.F

Vapor Pres:47 AT 68F APPROX

Vapor Density:3.20

Spec Gravity:0.87AT 60F

Viscosity:0.7 CST

AT 77 APPROX

Evaporation Rate & Reference:2.4 (N-BUTYL ACETATE = 1)

Solubility in Water:0.05% AT 77F CALCULATED

Appearance and Odor:CLEAR COLORLESS LIQUID, AROMATIC (HYDROCARBON) ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, CONCENTRATED NITRIC OR SULFURIC ACID, HALOGENS OR MOLTEN SULPHUR

Stability Condition to Avoid:NOT APPLICABLE.

Hazardous Decomposition Products:NONE. HAZARDOUS COMBUSTION

PRODUCTS:
FUMES, SMOKE, CARBON MONOXIDE.
Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Toxicological Information:REFER TO ACUTE/CHRONIC HEALTH FOR AVAILABLE INFORMATION ON POTENTIAL HEALTH EFFECTS.

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

Ecological:NO SPECIFIC ECOLOGICAL DATA ARE AVAILABLE FOR THIS PRODUCT. PLEASE REFER TO SPILL SECTION AND SARA/FEDERAL REGULATORY SECTION FOR INFORMATION.

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

Waste Disposal Methods:REFER TO THE SECTIONS ON FIRE/EXPLOSION HAZARDS, SPILLS AND SARA/FEDERAL REGULATIONS FOR DISPOSAL INFORMATION.

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

Transport Information:DOT SHIPPING DESCRIPTION: TOLUENE, 3, UN1294, II.

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

SARA Title III Information:UNDER THE PROVISIONS OF TITLE III, SECTIONS 311/312 OF SARA, THIS PRODUCT IS CLASSIFIED INTO THE FOLLOWING HAZARD CATAGORIES: IMMEDIATE HEALTH, DELAYED HEALTH, FIRE. THIS INFORMATION MAY BE SUBJECT TO THE PROVISIONS OF THE COMMUNITY RIGHT-TO-KNOW REPORTING REQUIREMENTS (40 CFR 370) IF THE THRESHOLD QUANTITY CRITERIA ARE MET. THIS PRODUCT CONTAINS THE FOLLOWING SECTION 313 REPORTABLE INGREDIENTS: T OLUENE, CAS# 108-88-3, 100%.
Federal Regulatory Information:TSCA: THIS PRODUCT IS LISTED ON THE TSCA INVENTO
RY AS A UVCB (UNKNOWN, VARIABLE COMPOSITION OR BIOLOGICAL) CHEMICAL AT CAS REGISTRY NUMBER 108-88-3. CERCLA: IF THE REPORTABLE QUANTITY OF THIS PRODUCT IS ACCIDENTLY SPILLED, THE INCIDENT IS SUBJECT TO THE PROVISIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA) & MUST BE REPORTED TO THE NATIONAL RESPONSE CENTE R BY CALLING 800-424-8802. THE REPORTABLE QUANTITY IS 1,000 LBS. PRODUCT CONTAINS TOLUENE.

State Regulatory Informatio

n:NONE SPECIFIED BY MANUFACTURER.

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

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