

SUN REFINING AND MARKETING COMPANY -- TOLUENE -- 6810-00-281-2002

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Product Identification
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Product ID:TOLUENE

MSDS Date:04/05/1989

FSC:6810

NIIN:00-281-2002

MSDS Number: BDSQD

=== Responsible Party ===

Company Name:SUN REFINING AND MARKETING COMPANY

Address:TEN PENN CENTER 1801 MARKET STREET

City:PHILADELPHIA

State:PA

ZIP:19103-1699

Country:US

Info Phone Num:215-293-9270 (1631-0759)

Eme

Agency Phone Num:215-977-6172 (0800-1630)

Preparer's Name:RAMONA PANSON

CAGE:3T335

=== Contractor Identification ===

Company Name:SUN COMPANY INC

Address:1801 MARKET STREET

Box:City:PHILADELPHIA

State:PA

ZIP:19103-1699

Country:US

Phone:800-964-8861

CAGE:78628

Company Name:SUN REFINING AND MARKETING CO

Address:676 E SWEDES FORD RD

City:WAYNE

State:PA

ZIP:19087-1612

Country:US

CAGE:3T335

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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: 99%+%
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL RAT) IS 5 GM/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INGEST- PULMONARY ASPIRATION
HAZARD IF SWALLOWED AND VOMITING OCCURS. EYE- CONTACT MAY CAUSE

MODERATE TO SEVERE IRRITATION. INHALE- IRRITATION TO EYES, NOSE,
CNS. CHRONIC: INHALE- REPEATED EXCESSIVE EXPOSURES MAY CAUSE
CHRONIC, ADVERSE SYSTEMIC EFFECTS. SKIN- MODERATE IRRITATION AND
DEFATTING.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:DIZZINESS, LOSS OF BLANCE AND COORDITATION,
UNCONSCIOUSNESS, COMA, RESPIRATORY FAILURE AND DEATH.

Medical Cond Aggravated by Exposure

:PERSONS WITH A HISTORY OF AILMENTS

OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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First Aid Measures
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First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND W
ATER. IF
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE
VOMITING. GIVE NOTHING BY MOUTH. GET IMMEDIATE MEDICAL ATTENTION.

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Fire Fighting Measures
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Flash Point Method:TCC

Flash Point:48.0F,8.9C

Autoignition Temp:Autoignition Temp Text:997F

Lower Limits:1.2

Upper Limits:7.1

Extinguishing Media:USE CARBON DIOXIDE, CHEMICAL FOAM, WATER FOG,
SAND/DIRT.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &

FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FLAMMABLE LIQUID (FLASH POINT LESS THAN 100F).

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

Spill Release Procedures:PROEVENT IGNITION, STOP LEAK, VENTILATE AREA. CONTAIN SPILL. USE WATER SPRAY TO DISPERSE VAPORS. KEEP UPWIND OF LEAK. WEAR SCBA FOR LARGE SPILL. ADVISE EPA; STATE AGENCY IF REQUIRED. ABSORB O

N INERT M ATERIAL.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDL

ING. FOR

INDUSTRIAL USE ONLY.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE AND DUST/MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. WEAR IMPERVIOUS PROTECTIVE GEAR.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

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

HCC:F2

Boiling Pt:B.P. Text:231F,111C

Melt/Freeze Pt:M.P/F.P Text:-139F,-95C

Vapor Pres:26

Vapor Density:3.2

Spec Gravity:0.87

Evaporation Rate & Reference:(ETHYL ETHER=1) 5X SLOWER

Solubility in Water:0.047 % BY VOL.

Appearance and Odor:COLORLESS LIQUID WITH PLEASANT SWEET ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZI

NG AGENTS

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:CARBON MONOXIDE AND ASPHYXIANTS.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. DO NOT FLUSH TO DRAIN/STORM SEWER. INCINERATE UNDER CONTROLLED CONDITIONS. DRAIN TO CHEMICAL WASTE PLANT.

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