

UNOCAL CHEMICALS DIV.,UNION OIL OF CALIFORNIA -- TOLUENE (AMSCO SOLVE 1410) --
4910-01-030-6643

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

Product ID:TOLUENE (AMSCO SOLVE 1410)

MSDS Date:10/20/1980

FSC:4910

NIIN:01-030-6643

Kit Part:Y

MSDS Number: BKLLM

=== Responsible Party ===

Company Name:UNOCAL CHEMICALS DIV.,UNION OIL OF CALIFORNIA

Address:1345 N MEACHAM

Box:NONE

City:SCHAUMBURG

State:IL

ZIP:601

96

Country:US

Info Phone Num:312-490-2500/312-619-2644

Emergency Phone Num:312-490-2500/800-424-9300(CHEMTREC)

CAGE:94684

=== Contractor Identification ===

Company Name:CRANE RESISTOFLEX CO

Address:2575 W 5TH ST

Box:City:JACKSONVILLE

State:FL

ZIP:32205

Country:US

Phone:904-389-3400

CAGE:50599

Company Name:STRATEGIC PROCUREMENT SERVICE INC, W AND W LOGISTICS DIV

Address:2 MADISON ROAD

Box:City:FAIRFIELD

State:NJ

ZIP:07004

Country:US

Phone:973-575-6620

CAGE:79343

Company Name:UNOCAL CHEMICALS DIV

.,UNION OIL OF CALIFORNIA
Address:1345 N MEACHAM
Box:City:SCHAUMBURG
State:IL
ZIP:60196
Phone:312-490-2500/800-424-9300(CHEMTREC)
CAGE:94684
Company Name:WARD INDUSTRIES, INC
Address:29 PORETE AVENUE
Box:City:NORTH ARLINGTON
State:NJ
ZIP:07032-6797
Country:US
Phone:201-991-8777
CAGE:7H162

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

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 100%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM/150 STE
L
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: OVEREXPOSURE MAY LEAD TO
CENTRAL NERVOUS SYSTEM DEPRESSION, LEADING TO IRRITATION, HEADACHE,
NAUSEA, DIZZINESS, FATIGUE, CONFUSION AND UNCONSCIOUSNESS.
EYE:IRRITATION. SKIN:DEFATING, IRRITATION . INGE
STION: VOMITING,
FATIGUE, NERVOUSNESS. CHRONIC: REPEATED AND PROLONGED SKIN CONTACT
MAY CAUSE DERMATITIS.
Explanation of Carcinogenicity:THE COMPONENTS OF THIS PRODUCT HAVE NOT
SHOWN ANY EVIDENCE OF BEING CARCINOGENIC.
Effects of Overexposure:OVEREXPOSURE MAY LEAD TO RESPIRATORY
IRRITATION, NAUSEA, FATIGUE, DIZZINESS, HEADACHES, UNCONSCIOUSNESS,
DERMATITIS AND EYE IRRITATION.
Medical Cond Aggravated by Exposure:PERSONS WITH A SKIN DISORDER SHOULD
USE CAUTION WHEN HANDLING

OR USING THIS PRODUCT.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION. EYE : IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point Method:CC
Flash Point:40.0F,4.4C
Lower Limits:1.2
Upper Limits:7.1
Extinguishing Media:USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:MINOR: ABSORB MATERIAL WITH CLAY, VERMICULITE, OR SIMILAR ABSORBENT MATERIAL. PLACE IN DISPOSAL CONTAINERS. MAJOR: DIKE & CONTAIN SPILL. ELIMINATE SOURCES OF IGNITION. SHUT OFF LEAKS. REMOVE LIQUID BY VACUUM OR ABSORBENT.

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

Handling and Storage Precautions:STORE IN A COOL, VENTILATED WORK AREA.
KEEP CONTAINERS CLOSED WHEN NOT IN USE. COMBUSTIBLE LIQUID; EMPTY CONTAINERS CAN BE HAZARDOUS.
Other Precautions:THE SELECTION OF PERSONAL PROTECTIVE EQUIPMENT SHOULD BE MADE BY THE MATERIAL USER BASED ON THE PARTICULAR CONDITIONS WHERE THE MATERIAL IS TO BE USED TOGETHER WITH INFORMATION CONTAINED IN THIS MSDS.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR. AIR-SUPPLIED
O

R FILTERING TYPE WITH ORGANIC VAPOR CARTRIDGES ARE RECOMMENDED.

Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.

Protective Gloves:NEOPRENE, NITRILE, OR POLYVINYL ALCOHOL

Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:DO NOT TAKE INTERNALLY. AVOID SKIN CONTACT.

WASH SKIN AFTER USING PRODUCT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health

THIS IS PART A OF A THREE PART KIT. SAME NSN.

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

HCC:F2

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

Vapor Pres:20

Vapor Density:>1

Spec Gravity:0.87

Evaporation Rate & Reference: