State:IL ZIP:601 96

Info Phone Num:312-490-2500

Emergency Phone Num:312-490-2500

CAGE:5W523

=== Contractor Identification ===

Company Name: UNION OIL COMPANY OF CALIFORNIA

Address:1345 NORTH MEACHAM ROAD

City:SCHAUMBURG

State:IL ZIP:60196 Country:US

Phone:800-438-2968

CAGE:5W523

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

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

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Ingred Name:STODDARD SILVENT

CAS:8052-41-3 Fraction by Wt: 100% OSHA PEL:500 PPM

ACGIH TLV:100 PPM; 9293

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic: IRRITATING TO EYES, SKIN, RESPIRATORY

TRACT AND DIGESTIVE TRACT. MAY CAUSE BURNING, TEARING & REDNESS OF

EYES; REDNESS, BURNING, & DRYING AND CRACKING OF THE SKIN.

Ex

planation of Carcinogenicity: NONE OF THE COMPOUNDS ABOVE 0.1% IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN. Effects of Overexposure: IRRITATING, DROWSINESS, DIZZINESS, LOSS OF COORDINATION AND FATIGUE. Medical Cond Aggravated by Exposure: PERSONS WITH A HISTORY OF AILMENTS OR WITH PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, CENTRAL NERVOUS SYSTEM. RESPIRATORY TRACT, LIVER AND KIDNEY MAY BE AT INCREASED RISK FROM EXPOSURE. ======= First Ai d Measures ========= First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR. CALL A PHYSICIAN. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. CALL A PHYSICIAN. SKIN: WASH WITH PLENTY OF SOAP & WATER. REMOVE CONTAMINATED CLOTHING/SHOES. INGESTION:DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE 2 GLASSES OF WATER TO DRINK, GIVE NOTHING BY MOUTH IF CONSCIOUS. CALL A PHYSICIAN. ======== Fire Fighting Measures ========= Flash Point Method:TCC Flash Point: 104F, 40C Lower Limits:0.8 Extinguishing Media: USE WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON DIOXIDE, WATER MAY BE AN INEFFECTIVE EXTINGUISHING AGENT. Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS AND TO DISPERSE THE VAPORS. AVOID SPREADING BURNING LIQUID WITH WATER. Unusual Fire/Explosion Hazard: THIS MATERIAL IS COMBUSTIBLE AND MAY BE IGNITED BY HEAT OR FLAME. THIS MATERIAL WILL BURN, BUT WILL NOT IGNITE READILY. ======== Accidental Release Measures ============

Spill Release Procedures: SMALL SPILL: WIPE UP OR SOAK UP WITH AN INERT ABSORBANT. PUT IN DISPOSAL CONTAINER. WASH RESIDUE WITH SOAP &

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

RESIDUE.

Neutralizing Agent:NONE

IGNITION. DIKE TO RETAIN SPILL. VACUUM/PUMP UP FREE LIQUID. WASH

WATER. LARGE SPILL: EVACUATE & VENTILATE AREA. ELIMINATE SOURCES OF

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

Other Precautions: NONE

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

Respiratory Protection: VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURE BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910,134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR

DECISION LOGIC-PUB.#87.1 08.

Ventilation:PROVIDE SUFFICIENT GENERAL/LOCAL EXHAUST VENTILATION IN PATTERN/VOLUME TO CONTROL INHALATION EXPOSURES BELOW OSHA'S PEL.

Protective Gloves:HEAVY DUTY NEOPRENE RUBBER IS REQUIRED.

Eye Protection: SAFETY GLASSES/GOGGLES AND/OR FACESHIELD

Other Protective Equipment: EYE WASH STATION & SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING, COVERALLS, APRONS, BOOTS & PROTECTIVE GARMENTS AS REQD.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICE S AND

RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEWR.

Supplemental Safety and Health

DO NOT GET ON SKIN, IN EYES OR ON CLOTHING. DO NOT BREATHE VAPORS OR MISTS.

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

HCC:F4

Boiling Pt:B.P. Text:428F,220C

Vapor Pres:2.9 Vapor Density:4.9 Spec Gravity:0.772

Viscosity:1.17 CS @ 77F

Evaporation Rate & Description Rate & Reference: O.2(BUTYL ACETATE=1)

Solubility in Water: NEGLIGIBLE

Appearance and Odor:CLEAR COLORLESS

LIQUID, KEROSENE-LIKE ODOR. Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES CARBON OXIDIZERS, ACIDS AND BASES. SELECT AMINES. Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS OR OPEN FLAME. Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE. ACID FUMES MAY ALSO BE RELEASED.

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

Waste Disposal Methods: DISPOSAL S HOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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particular situation.