

UNION OIL COMPANY OF CALIFORNIA, UNOCAL CHEM DIV. -- MIL-C-7024C PRODUCT CODE NO 12227. -- 6850-00-656-0810

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

Product ID:MIL-C-7024C PRODUCT CODE NO 12227.

MSDS Date:07/09/1987

FSC:6850

NIIN:00-656-0810

MSDS Number: BFJZR

=== Responsible Party ===

Company Name:UNION OIL COMPANY OF CALIFORNIA, UNOCAL CHEM DIV.

Address:1345 N. MEACHAM

City:SCHAUMBURG

State:IL

ZIP:60

196

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

===== 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:IRRITATING TO EYES, SKIN, RESPIRATORY

TRACT AND DIGESTIVE TRACT. MAY CAUSE BURNING, TEARING & REDNESS OF EYES; REDNESS, BURNING, & DRYING AND CRACKING OF THE SKIN.

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xplanation 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.

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First Aid 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.

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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.

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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 & WATER. LARGE SPILL: EVACUATE & VENTILATE AREA. ELIMINATE SOURCES OF IGNITION. DIKE TO RETAIN SPILL. VACUUM/PUMP UP FREE LIQUID. WASH RESIDUE.

Neutralizing Agent:NONE

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Handling and Storage =====

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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 PRACTICES AND

RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

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 & Reference:0.2(BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR COLORLES

S 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

SHOULD BE MADE IN ACCORDANCE WITH ALL

APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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