

UNION OIL CO OF CALIFORNIA UNION CHEMICALS DIV -- ISOPROPYL-99 -- 6810-00-983-8551

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

Product ID:ISOPROPYL-99

MSDS Date:01/12/1989

FSC:6810

NIIN:00-983-8551

MSDS Number: BGBMG

=== Responsible Party ===

Company Name:UNION OIL CO OF CALIFORNIA UNION CHEMICALS DIV

Address:1900 E GOLF ROAD

City:SCHAUMBURG

State:IL

ZIP:60194-5021

Country:US

Info Phone Num:312-885-5450

E

Emergency Phone Num:800-424-9300(CHEMTREC)

CAGE:DO716

=== Contractor Identification ===

Company Name:SANCHEZ & ASSOCIATES

Address:476 WEST FOGG STREET

Box:1649

City:COLTON (MAY BE OUT OF BUSINESS !)

State:CA

ZIP:92324

Country:US

Phone:714-370-3921/FAX824-0341 ALL WRONG#

CAGE:0HF19

Company Name:UNION OIL CO OF CALIF;UNION CHEMICAL DIV

Address:1345 NORTH MEACHAM ROAD

City:SCHAUMBURG

State:IL

ZIP:60196

Country:US

Phone:312-885-5450

CAGE:DO716

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

IA  
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:ISOPROPYL ALCOHOL (SARA III)  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: 100%  
OSHA PEL:400 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9192

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

Health Hazards Acute and Chronic:ACUTE-EYES:IRRITANT. BURNING.  
SKIN:IRRITATION. INHALATION:IRRITATION OF THE NOSE AND THROAT.  
INGESTION:IRRITATION OF THE DIGESTIVE TRACT. SIGNS OF CENTRAL  
NERVOUS SYSTEM DEPRESSION. CHRONIC-EYES:BURNING. SKIN:IRRITATION  
AND BURNING. INHALATION:IRRITATION. INGESTION:NERVOUS SYSTEM  
DEPRESSION.

Explanation of Carcinogenicity:NOT CONSIDERED TO BE A CARCINOGEN BY  
NTP, IARC, OR OSHA.

Effects of Overexposure:EYES:TEARING, REDNESS, AND SWELLING.

SKIN:REDNESS, BURNING, AND DRYING AND CRACKING OF THE SKIN.  
INHALATION:DROWSINESS, DIZZINESS, LOSS OF COORDINATION, AND  
FATIGUE. INGESTION:VOMITING AND ABDOMINAL PAIN.

Medical Cond Aggravated by Exposure:SKIN AND LUNG DISORDERS.

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First Aid Measures  
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First Aid:EYES:FLUSH WITH WATER FOR 15 MIN AND SEEK MEDICAL ATTENTION.  
SKIN:REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA THOROUGHLY  
WITH MILD SOAP AND WATER.

INHALATION:REMOVE VICTIM TO FRESH AIR.

SEEK IMMEDIATE MEDICAL ATTENTION. INGESTION:SEEK EMERGENCY MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH. INDUCE VOMITING ONLY IF DOSES OF 5 OZ OR MORE ARE TAKEN.

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

Flash Point Method:TCC

Flash Point:53.0F,11.7C

Lower Limits:2.0

Upper Limits:12.0

Extinguishing Media:FOAM CO<sub>2</sub>,DRY CHEMICALS.

Fire Fighting Procedures:USE WATER TO COOL CONTAINERS.USE SCBA FOR FIRES AND C

ONFINED

Unusual Fire/Explosion Hazard:THIS MATERIAL IS FLAMMABLE AND MAY BE IGNITED BY HEAT, SPARKS, FLAMES, AND STATIC ELECTRICITY.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION.REMOVE ALL IGNITION SOURCES.USE SUITABLE ABSORBENT AND RECOVER FOR PROPER DISPOSAL.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE AND WELL VENT

ILATED AREA. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:AVOID CONTACT WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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

Respiratory Protection:USE A NIOSH APPROVED RESPIRATOR WHEN HIGH AIRBORNE CONCENTRATIONS ARE EXPECTED.

Ventilation:VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW ESTABLISHED EXPOSURE LIMITS.(400 PPM)

Protective Gloves:IMPERMEABLE GLOVES

Eye Protection:APPROVED EYE PROTECTION

Other Protective

Equipment:IMPERVIOUS CLOTHING WHEN NECESSRY. EYE WASH AND SHOWER.

Work Hygienic Practices:PRACTICE GOOD HYGIENE PRINCIPLES.

Supplemental Safety and Health

NONE

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

HCC:F2

Boiling Pt:B.P. Text:180F,82C

Vapor Pres:37

Vapor Density:2.1

Spec Gravity:0.786

Evaporation Rate & Reference:1.70(N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, LITTLE IF ANY COLOR. CHARACTERISTIC ODOR.

Percent Volatiles by

Volume:100

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

Stability Indicator/Materials to Avoid:YES

ANHYDRIDE,ISOCYANATE.ORGANOMETELLALLIC CONTAMINANT.

Stability Condition to Avoid:HEAT, IGNITION SOURCES, FLAMES, AND STATIC ELECTRICITY.

Hazardous Decomposition Products:COMBUSTION MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE.

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

Waste Disposal Methods:DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH

LOCAL, STATE AND FEDERAL REGULATIONS.

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