

UNOICAL CHEMICALS DIV.,UNION OIL CO. OF CALIFORNIA -- ISOPROPYL-99 -- 6810-00-855-6160
===== Product Identification =====

Product ID:ISOPROPYL-99
MSDS Date:07/01/1988
FSC:6810
NIIN:00-855-6160
MSDS Number: BFSXF
=== Responsible Party ===
Company Name:UNOICAL CHEMICALS DIV.,UNION OIL CO. OF CALIFORNIA
Address:1345 N. MEACHAM
City:SCHAUMBURG
State:IL
ZIP:60196
Country:US
Info Phone Num:312-619-2644
;312-490-2500
Emergency Phone Num:800-356-3129 (POISON CONTROL CNTR)
Preparer's Name:PAUL PFEIFER
CAGE:KO777

=== Contractor Identification ===
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:UNOICAL CHEMICALS DIV.,UNION OIL CO. OF CALIFORNIA
Address:1345 N. MEACHAM RD
City:SCHAUMBURG
State:IL
ZIP:60196
Country:US
Phone:312-619-2644/CHEMTREC 800-424-9300
CAGE
:KO777

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

Ingred Name:ISOPROPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 99.0%
OSHA PEL:400 PPM/500 STEL
ACGIH TLV:400 PPM/500STEL;9192

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 1.0%

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 5045 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicit

y: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:ISOPROPANOL IS CLASSIFIED IARC-3(INSUFFICIENT EVIDENCE-HUMAN).

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 =====

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:53F/12C TCC

Lower Limits:2.0

Upper Limits:12.0

Extinguishing Media:FOAM CARBON DIOXIDE DRY CHEMICAL

Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS. WATER C
AN COOL DRUMS

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:KEEP SOURCES OF IGNITION & HOT METAL SURFACES AWAY. DIKE & CONTAIN SPILL. PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH ABSORBENT MAT. FLUSH AREA WITH WATER.

Neutralizing Agent:NOT APPLICABLE.

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

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Handling and Storage Precautions:KEEP IN COOL, DRY PLACE AWAY FROM SOURCES OF IGNITION. STORE WITH ADEQUATE VENTILATION.

Other Precautions:PERSONAL CONTACT SHOULD BE AVOIDED. REMOVE SATURATED CLOTHING & FLUSH AFFECTED AREAS WITH WATER.

===== 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

ANHYDRIDES, ISOCYANATES ORGANOMETALLIC PRODUCTS

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

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

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

Waste Disposal Methods:DISPOSE OF PRODUCT IAW APPLICABLE LOCAL, STATE
AND FED REGS.

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