

UNION CARBIDE CORP CHEMICALS AND PLASTICS DIV -- ISOPROPANOL,ANHYDROUS --  
6810-01-220-9907

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

Product ID:ISOPROPANOL,ANHYDROUS

MSDS Date:08/30/1990

FSC:6810

NIIN:01-220-9907

MSDS Number: BMTRV

=== Responsible Party ===

Company Name:UNION CARBIDE CORP CHEMICALS AND PLASTICS DIV

Address:308 HARPER DR

City:MOORESTOWN

State:NJ

ZIP:08057

Country:US

Info Phone Num:201-64

6-1111

Emergency Phone Num:201-646-1111

CAGE:7L938

=== Contractor Identification ===

Company Name:SANLO PRODUCTS CO

Address:100 ,MANHATTAN AVE SUITE 103

City:UNION CITY

State:NJ

ZIP:07087

Country:US

Phone:201-348-1684/800-424-9300(CHEMTREC)

CAGE:0K5U0

Company Name:UNION CARBIDE CORP CHEMICALS AND PLASTICS DIV

Address:308 HARPER DR

Box:City:MOORESTOWN

State:NJ

ZIP:08057

Country:US

Phone:201-646-1111

CAGE:7L938

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

Ingred Name:ISOP

ROPYL ALCOHOL (SARA III)  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: 100%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:400 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9192

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===== Hazards Identification =====  
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LD50 LC50 Mixture:TLV 400 PPM  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-EYE:SLIGHT TO MODERATE  
IRRITATION WITH POSSIBLE CORNEAL INJURY.SKIN:PROLONGED CO  
NTACT CAN  
CAUSE REDNESS,DRYNESS & CRACKING.INHALE:MAY CAUSE MILD IRRITATION  
OF NOSE & THROAT. ABOVE TLV CAN CAUSE HEADACHE &  
DROWSINESS.ORAL:MAY CAUSE DROWSINESS,STOMACH  
PAIN,NAUSEA,VOMITING,DIARRHEA & UNCONSCIOUSNESS.CHRONIC-UNKNOWN.  
Effects of Overexposure:SLIGHT TO MODERATE EYE IRRITATION WITH POSSIBLE  
CORNEAL INJURY. PROLONGED SKIN CONTACT CAN CAUSE REDNESS, DRYNESS &  
CRACKING. INHALATION MAY CAUSE MILD IRRITATION OF NOSE & THROAT.  
ABOVE TLV CAN CAUSE HEADACHE &  
DROWSINESS. ORALLY MAY  
CAUSEDROWSINESS, STOMACH PAIN, NAUSEA, VOMITING, DIARRHEA &  
UNCONSCIOUSNESS.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS  
(DERMATITIS) MAY BE MORE SUSCEPTIBLE TO THIS MATERIAL.

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===== First Aid Measures =====  
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First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST.EYE:IMMEDIATELY FLUSH WITH  
WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN.SKIN:WASH WITH SOAP &  
WATER.INHALED:REMOVE TO FRESH AIR.PROVIDE CPR/OXYGEN I  
F  
NEEDED.ORAL:IF CONS CIOUS,DRINK 2 GLASSES OF WATER &  
INDUCEVOMITING.CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY.  
NOTE TO PHYSICIAN: THERE IS NO SPECIFIC ANTIDOTE. TREAT TO CONTROL  
SYMPTOMS.

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===== Fire Fighting Measures =====  
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Flash Point Method:TCC  
Flash Point:=11.7C, 53.F  
Lower Limits:2.0  
Upper Limits:12.7  
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL FOAM. WATER  
MAY BE INEFFECTIVE, BUT SHOULD BE USED TO COOL FIRE-EXPOS

ED

## CONTAINERS

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE THE AREA. STOP LEAK IF POSSIBLE. CONTAIN THE SPILL. PICK UP LARGE SPILL WITH NON-SPARKING TOOLS; SMALL SPILLS WITH ABSORBENT MATERIAL. RESIDUES MAY BE FLUSHED WITH WATER.

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

Handling and Storage Precautions:STORAGE-KEEP IN DRY,WELL VENTILATED AREA,AWAY FROM HEAT & IGNITION SOURCES.KEEP CONTAINERS CLOSED.

Other Precautions:GROUND CONTAINERS & EQUIPMENT. EMPTY CONTAINERS ARE

HAZARDOUS. DO NOT CUT OR WELD. USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

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

Respiratory Protection:IF ENGINEERING CONTROLS ARE INADEQUATE TO CONTROL VAPOR CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR SHOULD BE WORN. A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA

STANDARD 29  
CFR 1910.134.

Ventilation:EXPLOSION PROOF EXHAUST VENTILATION AT POINT OF RELEASE.

Protective Gloves:RUBBER, PLASTIC OR NEOPRENE

Eye Protection:SAFETY GOGGLES/FACE SHIELD

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING & LAUNDRY BEFORE REUSE.

Supplemental Safety and Health

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

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HCC:F2

Boiling Pt:=82.2C, 180.F

Melt/Freeze Pt:=-88.3C, -127.F

Vapor Pres:33 @ 20 C

Vapor Density:2.07

Spec Gravity:0.7664

Evaporation Rate & Reference:2.88 (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS LIQUID - CHARACTERISTIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, CONCENTRATED NITRIC AND SULFURIC ACIDS, ALDEHYDES,  
HALOGEN

S AND HALOGEN COMPOUNDS

Stability Condition to Avoid:EXCESSIVE HEAT, SPARKS, OPEN FLAMES

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE

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

Waste Disposal Methods:INCINERATE IN A FURNACE WHERE PERMITTED UNDER  
APPROPRIATE LOCAL, STATE AND FEDERAL REGULATIONS. AT VERY LOW  
CONCENTRATIONS IN WATER ( 10 PPM), THIS PRODUCT CAN BE READILY  
BIODEGRADED IN A BIOLOGICAL W ASTEWATER TREATMENT PLAN.

Disclaime

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