

UNION CARBIDE CHEMICALS AND PLASTICS CO INC -- ISOPROPANOL, ANHYDROUS --
6810-00-855-6160

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

Product ID:ISOPROPANOL, ANHYDROUS

MSDS Date:08/30/1990

FSC:6810

NIIN:00-855-6160

MSDS Number: BSRBR

=== Responsible Party ===

Company Name:UNION CARBIDE CHEMICALS AND PLASTICS CO INC

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Nu

m:203-794-6753

Emergency Phone Num:203-794-6753

CAGE:0TAZ2

=== Contractor Identification ===

Company Name:SILVER SALES

Address:5115 DOUGLAS FIR RD SUITE C

Box:City:CALABASES

State:CA

ZIP:91302

Country:US

Phone:818-591-0788 WAS IN TX

CAGE:0WG65

Company Name:UNION CARBIDE CORPORATION

Address:39 OLD RIDGEBURY RD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:1-800-568-4000 / 732-563-5522

CAGE:0TAZ2

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

Ingred Name:ISOPR

OPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9394

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 5045 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INGEST:SLIGHTLY TOXIC. LG AMTS CAUSES
GI IRRIT. INHAL:MILD IRRIT OF NOSE & TH
ROAT. SKIN:IRRIT &
DEFATTING. EYE:IRRIT & CORNEAL DAMAGE.
Explanation of Carcinogenicity:ISOPROPANOL IS CLASSIFIED
IARC-3(INSUFFICIENT EVIDENCE-HUMAN).
Effects of Overexposure:INGEST:DROWSINESS, LOSS OF CONSCIOUSNESS,
STOMACH CRAMPS, PAIN, NAUSEA, VOMIT, DIARRHEA. INHAL:HEADACHE,
DROWSINESS, SNEEZING, SORE THROAT, RUNNY NOSE.
SKIN:REDNESS,DRYNESS,CRACKING OF SKIN. EYE:CORNEAL INJURY,REDNESS,
TEARING, BLURRED VISION, DISCOMFORT.
Medical Cond Aggravated by Exposure:MATERIA
L MAY AGGRAVATE AN EXISTING
DERMATITIS.

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===== First Aid Measures =====

First Aid:INGEST:IF CONSCIOUS & HAS A GAG REFLEX, GIVE 2 GLASSES OF
WATER. INDUCE VOMIT. GET MED IMMED. SKIN:REMOVE CONTAMINATED
CLOTHING. WASH W/SOAP & WATER. INHAL:REMOVE TO FRESH AIR. GIVE
ARTIFICIAL RESPIRATION IF NOT BREATH. IF BREATHING IS DIFFICULT
GIVE OXYGEN. GET MED ATTN. (PHYSICIAN:NO SPECIFIC
ANTIDOTE.TREATMENT OF OVEREXPOSURE SHOULD BE DIRECTED @ CO
NTROL OF
SYMPTOMS & CLINICAL PATIENT'S CONDITI

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

Flash Point Method:TCC
Flash Point:53.0F,11.7C
Lower Limits:2.0
Upper Limits:12.7
Extinguishing Media:LG FIRES:APPLY ALCOHOL-TYPE OR ALL-PURPOSE-TYPE
FOAMS BY MFG'S RECOMMENDED TECHNIQUES. SM FIRES:CO2, DRY CHEMICAL
MEDIA.
Fire Fighting Procedures:USE WATER SPRAY TO COOL FIRE-EXPOSED
CONTAINERS, STRUCTURES, & DISPERSE VAPORS WHICH MAY REIGNITE. USE
SCBA AND PR

PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard: VAPORS FORM & PRODUCT MAY TRAVEL & IGNITED BY SOURCES OF IGNITION @ LOCATIONS DISTANT FROM PRODUCT HANDLE PT. VAPORS SETTLE IN LOW/CONFINED AREA MAY FLASHBACK EXPLOS

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

Spill Release Procedures: EXTINGUISH & DON'T TURN ON ANY IGNITION SOURCES TIL AREA FREE OF EXPLOSION OR FIRE HAZ. COLLECT LG SPILLS FOR DISPOSAL. FLUSH SMALL SPILLS W/WATER. WEAR SUITABLE PROTECTIVE EQ

EQUIPMENT, ESPECIALLY EYE PROTECTION.

Neutralizing Agent: NOT APPLICABLE.

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

Handling and Storage Precautions: WARNING--FLAMMABLE! KEEP AWAY FROM HEAT/ SPARKS/FLAME. KEEP CONTAINER CLOSED. USE W/ADEQUATE VENTILATION. CAUSES EYE IRRITATION.

Other Precautions: THIS MATERIAL MAY PRODUCE A FLOATING FIRE HAZARD. SUDDEN RELEASE OF HOT ORGANIC CHEMICAL VAPORS/MISTS FROM PROCESS EQUIPMENT OPERATING @ HI TEMP MAY IGNITE W/O SOURCE OF IGNITION.

EVALUATE PROCESS FOR SAFE TEMP OPERATION.

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

Respiratory Protection: SELF-CONTAINED ABREATHING APPARATUS IN HIGH VAPOR CONCENTRATIONS.

Ventilation: GEN (MECHANICAL) ROOM VENTILATION SATISFACTORY. SPECIAL LOCAL VENTILATION NEEDED @ PTS WHERE VAPORS ESCAPE TO WORKAREA.

Protective Gloves: RUBBER OR PLASTIC GLOVES.

Eye Protection: MONOGOGGLES.

Other Protective Equipment: EYE BATH, SAFETY SHOWER, APRONS/LAB COATS.

Work Hygienic Practices: WASH HANDS THOROUGHLY AFT HANDLING & PRIOR TO EAT/DRINK/SMOKE. DON'T SMOKE IN WORKING AREA/STORAGE. LAUNDRY CONTAM CLOTH

Supplemental Safety and Health

USE PROPER BONDING & GROUNDING DURING LIQUID TRANSFERING. ADDITIONAL INFO SEE NATIONAL FIRE PROTECTION ASSOC DOC: NFPA 77 & TECHNICAL BULLETIN "IGNITION HAZARDS OF ORGANIC CHEMICAL VAPORS".

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

HCC: F2

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

Melt/F

reeze Pt:M.P/F.P Text:-127F,-89C

Vapor Pres:33MM

Vapor Density:2.07

Spec Gravity:0.7864

Evaporation Rate & Reference:2.88

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS LIQUID WITH CHARACTERISTIC ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

CONCENTRATED NITRIC & SULFURIC ACIDS, STRONG OXIDIZERS, ALDEHYDES,
HALOGENS, & HALOGEN COMPOUNDS.

Stability Condition to Avoid:SOURCE
S OF IGNITION.

Hazardous Decomposition Products:BURNING PRODUCES CARBON MONOXIDE &/OR
CARBON DIOXIDE.

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

Waste Disposal Methods:INCINERATE IN FURNACE WHERE PERMITTED UNDER
APPROPRIATE FED/STATE/LOCAL REGULATIONS. AT VERY LOW CONCENTRATIONS
IN WATER (10PPM) PRODUCT CAN BE READILY BIODEGRADED IN BIOLOGICAL
WASTE WATER TREATMENT PLANT.

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