

UNION CARBIDE CORP INDUSTRIAL CHEMICALS DIV -- ISOPROPANOL, 91%, PM-437 --  
7045-01-209-0031

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

Product ID:ISOPROPANOL, 91%, PM-437

MSDS Date:08/04/1989

FSC:7045

NIIN:01-209-0031

MSDS Number: BPQYJ

=== Responsible Party ===

Company Name:UNION CARBIDE CORP INDUSTRIAL CHEMICALS DIV

Address:39 OLD RIDGEBURY ROAD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone

Num:800-822-4357

Emergency Phone Num:800-822-4357

CAGE:61637

=== Contractor Identification ===

Company Name:COMPUTER ACCESSORIES CORP

Address:211 NEW YORK AVENUE

Box:City:HUNTINGTON

State:NY

ZIP:11743-2711

Country:US

Phone:516-421-0929

CAGE:25041

Company Name:UNION CARBIDE CORP

Address:39 OLD RIDGEBURY ROAD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:800-822-4357/732-563-5522 (MSDS)

CAGE:61637

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

Ingred Name:ISOPR

OPYL ALCOHOL (SARA III)  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: 91%  
OSHA PEL:400 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9192

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 9%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) = 5840 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:ACUT  
E:EYE:LIQUID CAUSES SLIGHT TO  
MODERATE IRRITATION WITH POSSIBLE CORNEAL INJURY. SKIN: NO HEALTH  
HAZARD FROM ABSORPTION, CONTACT CAUSES REDNESS & DRYING.  
INHALED:MILD IRRITATION, HEADACHE DROWSINES S. INGESTION:SLIGHTLY  
TOXIC. CHRONIC:NOEVIDENCE OF ADVERSE EFFECTS FROM AVILABLE  
INFORMATION.

Explanation of Carcinogenicity:MFR GAVE THE ABOVE LISTINGS ON THE MSDS  
BUT NO OTHER COMMENTS ABOUT CARCINOGENICITY WERE RECORDED.

Effects of Overexposure:ACUTE:EYE:LIQUID CAUSES SLIGHT  
TO MODERATE

IRRITATION WITH POSSIBLE CORNEAL INJURY. SKIN: NO HEALTH HAZARD  
FROM ABSORPTION, CONTACT CAUSES REDNESS & DRYING. INHALED:MILD  
IRRITATION, HEADACHE DROWSINES S. INGESTION:SLIGHTLY TOXIC.  
CHRONIC:NOEVIDENCE OF ADVERSE EFFECTS FROM AVILABLE INFORMATION.

Medical Cond Aggravated by Exposure:MAY AGGRAVATE EXISTING DERMATITIS.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING, LAUNDER BEFORE REUSE.  
WASH W

ITH SOAP AND WATER. INHALATION: IMMEDIATELY REMOVE VICTIUM TO  
FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. GET  
MEDICAL AT TENTION. EYE: IMMEDIATELY FLUSH WITH WATER FOR SEVERAL  
MINUTES. GET PROMPT MEDICAL ATTENTION. INGESTION:GIVE 2 GLASSES  
WATER AND INDUYCE VOMITING IF CONSCIOUS. GET IMMEDIATE MEDICAL  
ATTENTION.

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

Flash Point Method:TCC  
Flash Point:65.0F,18.3C  
Lower Limits:2.0  
Upper Limits:12

.7

Extinguishing Media:ALCOHOL OR UNIVERSAL FOAM APPLIED BY MFR'S  
RECOMMENDED TECHNIQUES FOR LARGE FIRE. CO2 OR DRY CHEMICAL FOR  
SMALL FIRE.

Fire Fighting Procedures:USE WATER SPRAY TO COOL FIRE EXPOSED  
CONTAINERS AND STRUCTURES AND TO DISPERSE VAPORS. WEAR SCBM &  
PROTECTIVE CLOTHING WHEN FIGHTING FIRE IN ENCLOSED AREA.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY  
TRAVEL ALONG GROUND OR FLOOR, THEN 'FLASH BACK' FROM A DISTANT  
IGNITION SOURCE.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. COLLECT  
LARGE SPILLS FOR DISPOSAL. FLUSH SMALL SPILLS WITH WATER.

Neutralizing Agent:NO INFORMATION GIVEN ON MSDS BY MFR.

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

Handling and Storage Precautions:WARNING! FLAMMABLE! CAUSES EYE  
IRRITATION. KEEP AWAY FROM HEAT,SPARKS,& FLAME. AVOID CONTACT  
W/EYES. KEEP CONTAINER CLOSED. USE WITH ADEQUATE  
VENTILA.

Other Precautions:WASH THYOOUGHLY AFTER HANDLING. FOR INDUSTRIAL USE  
ONLY. TRANSFER HAZARD. VAPORS MAY BE IGNITED BY STATIC SPARKS.  
GROUND CONTAINERS WHEN TRANSFERRING LIQUID.

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

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

Ventilation:NORMAL ROOM VENTILATION IS SUFFICIENT. SUPPLEMENT WITH  
LOCAL EXHAUST AT POINTS WHERE VAPORS ARE RELEASED TO WORKPLACE.

Protectiv

e Gloves:BUTYL

Eye Protection:MONOGOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER,

Work Hygienic Practices:MFR GAVE NO INFORMATION OF MSDS.

Supplemental Safety and Health

NONE

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

HCC:F2

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:176F,80C

Melt/Freeze Pt:M.P/F.P Text:-76F,-60C

Vapor Pres:34 MMHG

Vapor Density:2.1

Spec Gravity:0.8159

Evaporation Rate & Reference:3.0 (N-BUTYL ACETATE=1)

Solubility in Wat

er:COMPLETE

Appearance and Odor:CLEAR LIQUID, ALCOHOL ODOR

Percent Volatiles by Volume:100.0

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

Stability Indicator/Materials to Avoid:YES

CONC. NITRIC & SULFURIC ACIDS, STRONG OXIDIZING AGENTS, ALDEHYDES,  
HALOGENS, HALOGEN COMPOUNDS.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:INCOMPLETE COMBUSTION MY YIELD CARBON  
MONOXIDE AND OTHER TOXIC GASES

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Waste Disposal Methods:INCINERATE IN FURNACE I/A/W FEDERAL, STATE &  
LOCAL REGULATIONS.

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