

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 Phon

e 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:ISOP

ROPYL 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:ACU
TE: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

WITH 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:1

2.7

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.

=====

===== 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
VENTILATION.

Other Precautions:WASH THOROUGHLY 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.

Protective

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 Water

ter: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

==

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

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

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing thi

s

document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.