

UNION CARBIDE CORP., INDUSTRIAL CHEMICALS DIVISION -- ISOPROPANOL,ANHYDROUS TT-I-735
-- 6810-00-586-6647

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

Product ID:ISOPROPANOL,ANHYDROUS TT-I-735

MSDS Date:06/22/1989

FSC:6810

NIIN:00-586-6647

MSDS Number: BFGTH

=== Responsible Party ===

Company Name:UNION CARBIDE CORP., INDUSTRIAL CHEMICALS DIVISION

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:SOUTH/WIN LTD

Address:1407 S BLOODWORTH STREET

Box:27891

City:RALEIGH

State:NC

ZIP:27611

Country:US

Phone:919-834-0090

CAGE:0HN65

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:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 100.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9192

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

LD50 LC50 Mixture:ORAL LD50 (RAT) = 5840 MG/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: OVEREXPOSURE MAY LEAD TO
CENTRAL NERVOUS SYS

TEM DEPRESSION, LEADING TO HEADACHES AND

DIZZINESS. EYE: MAY LEAD TO IRRITATION AND WILL INJURE EYE TISSUE
IF NOT REMOVED PROMPTLY. SKIN: MAY LEAD TO DERMATITIS. INGESTION:
MAY LEAD TO VOMITING. CHRONIC: PROLONGED SKIN CONTACT MAY CAUSE
DERMATITIS.

Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED AS HAVING
ANY EVIDENCE OF BEING CARCINOGENIC.

Effects of Overexposure:OVEREXPOSURE MAY LEAD TO DIZZINESS, HEADACHES,
DERMATITIS AND EYE IRRITATION. HIGH VAPOR CONCENTRA
TIONS ARE

ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

Medical Cond Aggravated by Exposure:PERSONS WITH SKIN, HEART,
RESPIRATORY, OR ANY OTHER MEDICAL CONDITION SHOULD USE CAUTION WHEN
HANDLING OR USING THIS PRODUCT.

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

First Aid:SKIN: IMMEDIATELY FLUSH WITH SOAP AND WATER. REMOVE
CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF NECESSARY.

INHALATION: IMMEDIATELY REMOVE VICTIUM TO FRESH AIR. G
IVE CPR IF

BREATHING IS STOPPED. GE T MEDICAL ATTENTION. EYE: IMMEDIATELY
FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INGESTION:
GET PROMPT MEDICAL ATTENTION. KEEP AT REST. GIVE TWO GLASSES OF
WATER AND INDUCE VOMITING.

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

Flash Point Method:TCC

Flash Point:53.0F,11.7C

Autoignition Temp:Autoignition Temp Text:750F

Lower Limits:2.0

Upper Limits:12.7

Extinguishing Media:ALCOHOL-TYPE OR ALL-PURPOSE FOAMS

BY MANUF.

RECOMMENDED TECHNIQUES FOR LRG. FIRES. USE CO2 OR DRY CHEM. FOR SMALL FIRES.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:VAPORS MAY TRAVEL AND BE IGNITED BY PILOT LIGHTS, FLAMES, SPARKS, HEATERS, ETC. AT DISTANCES FROM THE HANDLING POINT.

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

Spill Release Procedures:MINOR: ABSORB MATERIAL WITH CLAY, VERMICULITE, OR SIMILAR ABSORBENT MATERIAL. PLACE IN DISPOSAL CONTAINERS. MAJOR: DIKE & CONTAIN SPILL. ELIMINATE SOURCES OF IGNITION. SHUT OFF LEAKS. REMOVE LIQUID BY VACUUM OR ABSORBENT. FLUSH RESIDUE WITHWATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED WORK AREA.

KEEP CONTAINERS CLOSED WHEN NOT IN USE. FLAMMABLE LIQUID; EMPTY CONTAINERS CAN CONTAIN LIQUID/VAPOR RESIDUE.

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXOPSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. EXPLOSION HAZARD. EMPTY DRUMS SHOULD BE C COMPLETELY DRAINED, BUNGED & DISPOSED OF.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR. AIR-SUPPLIED OR FILTERING TYPE WITH ORGANIC VAPOR CARTRIDGES ARE RECOMMENDED.

Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.

Protective Gloves:BUTYL RUBBER

Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD

Other Protective Equipment:SAFETY SHOES, EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:DO NOT TAKE INTERNALLY. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Healt

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NONE

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

HCC:F2
Boiling Pt:=82.2C, 180.F
Melt/Freeze Pt:=-88.3C, -127.F
Vapor Pres:33
Vapor Density:2.07
Spec Gravity:0.7864
Evaporation Rate & Reference:2.88 (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
CONCENTRATED NITRIC ACID AND SULFURIC ACIDS, STRONG OXIDIZERS, ALDEHYDES,
HALOGENS, AND HALOGEN COMPOUNDS
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES
Hazardous Decomposition Products:BURNING MAY PRODUCE CARBON MONOXIDE
AND OR CARBON DIOXIDE.

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

Waste Disposal Methods:DISPOSE OF ALL WASTE IN ACCORDANCE WITH LOCAL,
STATE AND FEDERAL REGULATIONS. INCINERATION IS RECOMMENDED.

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