

VAN WATERS AND ROGERS INC., UNIVAR CORP. -- ISOPROPYL ALCOHOL -- 6810-01-382-2904
===== Product Identification =====

Product ID:ISOPROPYL ALCOHOL

MSDS Date:07/17/1993

FSC:6810

NIIN:01-382-2904

MSDS Number: BYCVP

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS INC., UNIVAR CORP.

Address:1600 NORTON BLDG. 801 2ND AVENUE

City:SEATTLE

State:WA

ZIP:98104-1564

Country:US

Info Phone Num:CAL

L LOCAL VAN WATERS & ROGERS

Emergency Phone Num:206-447-5911/800-424-9300(CHEMTREC)

CAGE:87664

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:VAN WATERS AND ROGERS INC., UNIVAR CORP.

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

Ingred Name:ISOPROPYL ALCOHOL
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 100.0%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TWA: 500 PPM
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION-IRRITANT/NARCOTIC. 12,000
PPM IMMEDIATELY DANGEROUS TO LIFE OR H
EALTH. SKIN-NARCOTIC. MAY
CAUSE SLIGHT IRRITATION. EYE-IRRITANT. MAY CAUSE COMJUNCTIVITIS.
INGESTION-NARCOTIC. INGESTION MAY CAUSE HEMATEMESIS, CENTRAL
NERVOUS SYSTEM DEPRESSION MAY OCCUR.
Explanation of Carcinogenicity:NOT CARCINOGENIC.
Effects of Overexposure:INGESTION-MAY CAUSE ABDOMINAL PAIN, NAUSEA,
VOMITING & HEMORRAGE, HEADACHE, DIZZINESS, FLUSHING,
INCOORDINATION, STUPOR, CONFUNSION, HYPOTENSION, AREFLEXIA &
REFRACTORY NARCOSIS. OLIGURIA FOLLOWED BY DIURESIS AND
COMA MAY
ALSO OCCUR. OTHERSYMPTOMS MAY INCLUDE HYPOGLYCEMIA, TENDERNESS &
EDEMA OF MUSCLES.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION-REMOVE FROM AREA TO FRESH AIR. IF BREATHING HAS
STOPPED, PERFORM CPR. KEEP WARM & AT REST. GET MEDICAL AID.
SKIN-REMOVE SOILED CLOTHES/SHOES. WASH AREA WITH SOAP & MILD
DETERGENT & WATER. G ET MEDICAL AID. EYE-WASH EYE WITH WAT
EROR
NORMAL SALINE. GET MEDICAL AID. INGESTION-GIVE OXYGEN BY ARTIFICIAL
RESPIRATION. GIVE ACTIVATED CHARCOAL. GASTRIC LAVAGE WITH PROTECTED
AIRWAY IS USEFUL.

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

Flash Point Method:CC
Flash Point:53.0F,11.7C
Autoignition Temp:Autoignition Temp Text:750F
Lower Limits:2.0
Upper Limits:12.7
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR
ALCOHOL-RESISTANT FOAM. LARGE:WATER SPRAY, FOG OR ALCOHOL-RESI

STANT
FOAM.

Fire Fighting Procedures:MOVE CONTAINER FROM FIRE AREA IF YOU CAN DO WITHOUT RISK. APPLY COOLING WATER TO SIDES OF CONTAINERS THAT ARE EXPOSED TO FLAMES UNTIL WELL AFTER FIRE IS OUT.

Unusual Fire/Explosion Hazard:DANGEROUS FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. VAPORS ARE HEAVIER THAN AIR & MAY TRAVEL A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION & FLASH BACK.

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

Spill Release Procedures:SHUT

OFF IGNITION SOURCES. STOP LEAK IF YOU CAN DO WITHOUT RISK. USE WATER SPRAY TO REDUCE VAPORS. FOR SMALL SPILLS, TAKE UP WITH SAND OR OTHER ABSORBENT MATERIAL & PLACE INTO CONTAINERS FOR LATER DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:OBSERVE ALL FEDERAL, STATE & LOCAL REGULATIONS WHEN STORING/DISPOSING. STORE IN ACCORDANCE WITH 29 CFR 1910.106. STORE AWAY FROM INCOMPATIBLE SUBSTANCE

Other Precautions:BONDING AND GRINDING: SUBSTANCES WITH LOW ELECTROCONDUCTIVITY, WHICH MAY BE IGNITED BY ELECTROSTATIC SPARKS, SHOULD BE STORED IN CONTAINERS WHICH MEET THE BONDING & GROUNDING GUIDELINES SPECIFIED IN NFPA 77-1983.

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

Respiratory Protection:THE SPECIFIC RESPIRATOR MUST BE BASED ON CONTAMINATION LEVELS FOUND IN THE WORK PLACE, MUST NOT EXCEED THE WORKING LIMITS OF THE RESPIRATOR AND BE JOINTLY APPROVED BY NIOSH AND MSHA.

Ventilation:PROVIDE GENERAL DILUTION VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS. VENTILATION EQUIPMENT MUST BE EXPLOSION PROOF.

Protective Gloves:APPROPRIATE PROTECTIVE GLOVES.

Eye Protection:SPLASH PROOF OR DUST RESISTANT GOGGLES.

Other Protective Equipment:EMPLOYEE MUST WEAR APPROPRIATE PROTECTIVE CLOTHING & EQUIPMENT TO PREVENT SKIN CONTACT. EMERGENCY EYE WASH.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMO

KING, OR

USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

HAZARD CLASS: FLAMMABLE LIQUID.

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

HCC:F2

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

Melt/Freeze Pt:M.P/F.P Text:-129F,-89C

Vapor Pres:40 MMHG

Vapor Density:2.1

Spec Gravity:0.7855

Viscosity:2.1 CPS

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

Solubility in Water:SOLUBLE

Appearance and Odor:COLORLESS LIQUID WITH AN ODOR
OF ALCOHOL.

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

Stability Indicator/Materials to Avoid:YES

ACIDS, ACID ANHYDRIDES, ALUMINUM, BARIUM PERCHLORATE, MEK, CHROMIUM
TRIOXIDE, COATINGS, HALOGENS, KETONE, OXIDIZERS, ETC

Stability Condition to Avoid:AVOID CONTACT WITH HEAT, SPARKS, FLAMES OR
OTHER SOURCES OF IGNITION. VAPORS MAY BE EXPLOSIVE & POISONOUS.

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY
INCLUDE OXIDES OF CARBON.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH STANDARDS
APPLICABLE TO GENERATORS OF HAZARDOUS WASTE, 40 CFR 262. EPA
HAZARDOUS WASTE NUMBER D001. 100 POUND CERCLA SECTION 103
REPORTABLE QUANTITY.

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