

VAN WATERS AND ROGERS INC -- ISOPROPYL ALCOHOL -- 6810-00-753-4993

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Product Identification  
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Product ID:ISOPROPYL ALCOHOL

MSDS Date:08/01/1993

FSC:6810

NIIN:00-753-4993

MSDS Number: BVGLX

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS INC

Address:6100 CARILLON PT

City:KIRKLAND

State:WA

ZIP:98033

Country:US

Info Phone Num:206-889-3400

Emergency Phone Num:206-889-3712, CHEMTR

EC 800-424-9300

Preparer's Name:JEANE SINCLAIR

CAGE:0STM5

=== Contractor Identification ===

Company Name:VOPAK USA INC

Address:6100 CARILLON POINT

Box:City:KIRKLAND

State:WA

ZIP:98033-7357

Country:US

Phone:425-889-3400/425-889-3617

CAGE:0STM5

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Composition/Information on Ingredients  
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Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: >99%

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9192

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Hazards Ident

ification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHALATION:IRRITATION OF THE NOSE & THROAT. HIGHER CONCENTRATIONS MAY CAUSE COMA & DEATH.

EYES:IRRITATION, CORNEAL BURNS. SKIN:DRYNESS. INGESTION:LARGE AMOUNTS CAUSE HEADACHE, NAUSEA, VOMITING, STOMACH CRAMPS, UNCONSCIOUSNESS, DEATH. CHRONIC- DERMATITIS.

Effects of Overexposure:IRRITATION OF EYES, SKIN AND NOSE; HEADACHE,

NAUSEA, VOMITING, UNCONSCIOUSNESS, COMA AND DEATH.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS, EYE

PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. APPLY SKIN CREAM IF DEFATTING OF SKIN OCCURS. INHALATION: REMOVE TO FRESH AIR AT ONCE. RESUSCITATE IF BREATHING STOPPED. GET MEDICAL

ATTENTION. EYE: IMMEDIATELY FLUSH WITH WATERFOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. MED: GIVE GASTRIC LAVAGE.

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

Flash Point Method:TCC

Flash Point:53.0F,11.7C

Lower Limits:2.0%

Upper Limits:12.7%

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, ALCOHOLIC FOAM. DO NOT USE DIRECT WATER SPRAY.

Fire Fightin

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

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

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

Spill Release Procedures:EXTINGUISH IGNITION SOURCES. BE SURE ALL HANDLING EQUIPMENT IS ELECTRICALLY GROU

NDED. SMALL SPILL:MOP UP &

PLACE IN DOT APPROVED CONTAINERS. LARGE SPILL:DIKE W/SOIL OR OTHER  
NON-COMBUSTIBLE MATERIAL & PUMP INTO DOT CONTAINER. KEEP OUT OF  
SEWERS, ETC.

Neutralizing Agent:NO INFORMATION GIVEN ON MSDS BY MFR.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, AND OPEN  
FLAMES. STORE IN COOL, DRY, WELL-VENTILATED PLACE AWAY FROM  
INCOMPATIBLE MATERIAL. VENT CONTAINER FREQUENTLY.

Ot

her Precautions:VENT MORE OFTEN IN WARM WEATHER. USE ONLY  
NON-SPARKING TOOLS AND ELECTRICALLY GROUND ALL EQUIPMENT WHEN  
HANDLING THIS PRODUCT. DO NOT USE PRESSURE TO EMPTY CONTAINERS.  
EMPTY CONTAINERS CAN HAVE RESIDU ES, GASES & MISTS. DISPOSE  
PROPERLY.

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

Respiratory Protection:BASED ON CONTAMINATION LEVELS IN THE WORK PLACE.  
FOR EXAMPLE: HALF MASK AIR PURIFYING CARTRIDGE RESPIRATOR OR  
SUPPLIED AIR RESPIR  
ATOR.

Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL GOGGLES UNLESS RESPIRATOER WORN

Other Protective Equipment:RUBBER APRON, RUBBER BOOTS, IMPERVIOUS  
CLOTHING.ETY SHOWER.

Work Hygienic Practices:EYE WASH FOUNTAIN, QUICK DRENCH SHOWER.

Supplemental Safety and Health

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

HCC:F2

NRC/State Lic Num:NONE

Boiling Pt:=82.C, 179.6F

B.P. Text:180F,82C

Melt/Freeze Pt:M.P/F.P Text:

-127F,-88C

Vapor Pres:33 DEG.C?!

Vapor Density:2.1

Spec Gravity:0.79

Evaporation Rate & Reference:2.83 (BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID, ALCOHOLIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, ALUMINUM, ACETALDEHYDE, CHLORINE, ETHYLENE OXIDE,  
HYPOCHLORUS ACID, ALDEHYDES.

Stability Condition to Avoid:HEAT, SPAR

KS, AND OPEN FLAMES

Hazardous Decomposition Products:MAY LIBERATE CARBON MONOXIDE OR CARBON DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Waste Disposal Methods:CONSULT APPROPRIATE FEDERAL, STATE & LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.

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