

ASHLAND CHEMICAL CO. -- ISOPROPANOL 99% -- 6810-00-753-4993

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

Product ID:ISOPROPANOL 99%

MSDS Date:02/10/1995

FSC:6810

NIIN:00-753-4993

MSDS Number: BHC BX

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL CO.

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Info Phone Num:614-790-3333

Emergency Phone Num:606-324-1133

CAGE:5A188

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO

Address:5200 PAUL BLAZEL

MEMORIAL PARKWAY

Box:City:DUBLIN

State:OH

ZIP:43017

Country:US

Phone:614-889-4505

CAGE:5A188

Company Name:SANCHEZ & ASSOCIATES

Address:476 WEST FOGG STREET

Box:1649

City:COLTON (MAY BE OUT OF BUSINESS !)

State:CA

ZIP:92324

Country:US

Phone:714-370-3921/FAX824-0341 ALL WRONG#

CAGE:0HF19

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

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/500S

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

LD50 LC50 Mixture:TLV: 400 PPM

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

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

Health Hazards Acute and Chronic:EYES-CAUSES EYE IRRITATION. SKIN-MILD SKIN IRRITATION. MAY DRY SKIN. BREATHING-NOSE, THROAT, RESPIRATORY TRACT IRRITATION. LOW BLOOD PRESSURE AND COMA. SWALLOWING-GASTROINTESTINAL IRRITATION, IMPAIRED COORDINATION, CENTRAL NERVOUS SYSTEM DEPRESSION, RESPIRATORY DEPRESSION, LOW BLOOD PRESSURE, EFFECTS ON HEART RATE.

Explanation of Carcinogenicity:THIS MATERIAL CANNOT BE CLASSIFIED WITH REGARD TO CARCINOGENICITY, & WAS NOT LISTED A CARCINOGENIC BY IARC, NTP OR OSHA.

Effects of Overexposure:EYES-STINGING, TEARING, REDNESS & SWELLING. SKIN-REDNESS, BURNING, DRYING & SKIN BURNS. BREATHING-IMPAIRED COORDINATION, CONFUSION, DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS. SWALLOWING-NAUSEA, VOMITING, DIARRHEA, DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, HEADACHE, COMA.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION. EYES: MOVE AWAY FROM EXPOSURE & INTO FRESH AIR. FLUSH EYE WITH WATER FOR 15 MIN. SEEK MEDICAL ATTENTION. SWALLOWED :

SEEK MEDICAL ATTENTION. IF CONSCIOUS/ALERT, INDUCE VOMITING BY GIVING SYRUP OF IPECAC. DO NOT LEAVE UNATTENDED. IF NOT BREATHING BEGIN CPR/OXYGEN.

===== 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:12.0

Extinguishing Media:ALCOHOL FOAM OR CARBON DIOXIDE OR DRY CHEMICAL. WATER MAY BE I

NEFFECTIVE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WITH APPROPRIATE TURN-OUT GEAR & RESISTANT EQUIPMENT.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR & MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION & IGNITED BY IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL.

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

Spill Release Procedures:ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED.

Other Precautions:NEVER USE WELDING TORCH OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

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

Respiratory Protection:IF WORKPLACE EXPOSURE LIMITS OF PRODUCT OR ANY COMPONENT IS EXCEEDED, ANIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROLS.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLVS.

Protective Gloves:WEAR RESISTANT GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, W

EAR IMPERVIOUS CLOTHING AND BOOTS.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:F2

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

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:33

Vapor Density:2.07

Spec Gravity:0.789

Evaporation Rate & Reference:7.7 (ETHYL ETHER=1)

Solubilit

y in Water:NOT GIVEN

Appearance and Odor:CLEAR LIQUID, ALCOHOL ODOR

Percent Volatiles by Volume:100.0

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS, ACIDS, CHLORINE,
ACETALDEHYDE, ETHYL OXIDE, ISOCYANATES.

Stability Condition to Avoid:DO NOT USE WITH ALUMINUM EQUIPMENT AT
TEMPERATURES ABOVE 120 DEG F.

Hazardous Decomposition Products:MAY FORM: CARBON DIOXIDE AND CARBON
MONOXI
DE, ETC.

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

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

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