

ASHLAND CHEMICAL CO -- ISOPROPANOL 99% -- 6810-00-286-5435

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Product Identification  
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Product ID:ISOPROPANOL 99%

MSDS Date:03/01/1994

FSC:6810

NIIN:00-286-5435

MSDS Number: BHCJY

=== 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:800-424-9300(CHEMTREC)

CAGE:5A188

=== Contractor Ide

ntification ===

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:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

Company Name:PACKAGING SERVICES INC

Address:472 SHANK RD

Box:875

City:PEARLAND

State:TX

ZIP:77581

Country:US

Phone:713-485-1457

CAGE:9V846

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Composition/Inform

ation on Ingredients =====

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: >99%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM/500STEL;9596

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 5045MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES:MAY CAUSE IRRITATION.SKI  
N:MAY  
CAUSE IRRITATION.INGEST:MAY CAUSE GI TRACT IRRITATION AND CNS  
DEPRESSION.INHAL:MAY CAUSE RESPIRATORY IRRITATION AND CNS  
DEPRESSION.CHRONIC:LIVER,KIDNEY DAMAGE.  
Explanation of Carcinogenicity:ISOPROPANOL MAY CAUSE FETAL DAMAGE.  
Effects of Overexposure:EYES:STINGING,TEARING,REDNESS AND  
SWELLING.SKIN:DRYING,CRACKING,BURNING.INHAL:IMPAIRED  
COORDINATION,CONFUSION,DIZZINESS,DROWSINESS,WEAKNESS,FATIGUE,NAUSEA  
,HEADACHE,LOW BLOOD PRESSURE,COMA.INGEST:NAUSE A,VOMITING,DIARRH  
EA  
AND SYMPTOMATIC SYMPTOMS SIMILAR TO THOSE OF INHALATION.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND  
WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.GET MEDICAL ATTENTION IF  
IRRITATION PERSISTS.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR  
ARTIFICIAL RESPIRA TION IF NEEDED.INGEST:GET PROMPT QUALIFIED  
MEDICAL ATTENTION.IF CONSCI  
OUS,INDUCE VOMITING WITH IPECAC OR BY  
STICKING 2 FINGERS DOWN THROAT;PLACE VICTIM ON LEFT SIDE WITH HEAD  
DOWN.

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

Flash Point Method:TCC  
Flash Point:53.0F,11.7C  
Lower Limits:2  
Upper Limits:12  
Extinguishing Media:DRY CHEMICAL,CARBON DIOXIDE,FOAM.  
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER  
FOG.  
Unusual Fire/Explosion Hazard

:VAPORS ARE HEAVIER THAN AIR,CAN TRAVEL  
DISTANCES ALONG THE GROUND,AND FLASHBACK AT THE SOURCE.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER  
RESPIRATORY AND PROTECTIVE EQUIPMENT.SHUT OFF LEAK IF  
SAFE.DIKE.SOAK UP WITH A NON-COMBUSTIBLE INERT  
ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.WASH  
SPILL AREA TO REMOVE SLIPPINESS.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED  
PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM  
HEAT,SPARKS,FLAMES AND INCOMPATIBLE MATERIALS.

Other Precautions:EMPTY CONTAINERS MAY CONTAIN HAZARDOUS  
RESIDUE;DISPOSE OF PROPERLY.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN  
ENCLOSED SPACES USE EITHER  
A SELF-CONTAINED BREATHING APPARATUS OR  
A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS,DEPENDING ON  
THE AIRBORN CONCENTRATION.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL)  
VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:CHEMICALLY RESISTANT

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A  
LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS

PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

NONE

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

HCC:F2

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

Vapor Pres:33

Vapor Density:2.07

Spec Gravity:0.79

Evaporation Rate & Reference:7.7 ETHYL ETHER=1

Appearance and Odor:LIQUID.ODOR AND COLOR NOT REPORTED.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRO

NG ACIDS,OXIDIZING AGENTS,CHLORINE,ACETALDEHYDE,ETHYLENE  
OXIDE,ISOCYANATES.DO NOT USE ALUMINUM ABOVE 120F.  
Stability Condition to Avoid:HIGH HEAT,SOURCES OF IGNITION.  
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

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

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