

ASHLAND CHEMICAL COMPANY -- DENATURED ALCOHOL 70% -- 6810-00-782-2686

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Product Identification
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Product ID: DENATURED ALCOHOL 70%
MSDS Date: 09/12/1991
FSC: 6810
NIIN: 00-782-2686
MSDS Number: BSCWY
=== Responsible Party ===
Company Name: ASHLAND CHEMICAL COMPANY
Box: 2219
City: COLUMBUS
State: OH
ZIP: 43216-2219
Country: US
Info Phone Num: 614-276-6143
Emergency Phone Num: 614-276-6143
CAGE: 34897

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== Contractor Identification ==
Company Name: ASHLAND CHEMICAL CO
Box: 2219
City: COLUMBUS
State: OH
ZIP: 43216-2219
Country: US
Phone: 614-790-3333/800-274-5263
CAGE: 34897

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Composition/Information on Ingredients
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Ingred Name: METHYL ALCOHOL (METHANOL) (SARA III)
CAS: 67-56-1
RTECS #: PC1400000
Fraction by Wt: 3%
Other REC Limits: NONE RECOMMENDED
OSHA PEL: S, 200PPM/250STEL
ACGIH TLV: S, 200PPM/250STEL; 93
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Ingred Name: ETHYL ALCOHOL (ET

HANOL)
CAS:64-17-5
RTECS #:KQ6300000
Fraction by Wt: >60%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9293

Ingred Name:METHYL ISOBUTYL KETONE (SARA III)
CAS:108-10-1
RTECS #:SA9275000
Fraction by Wt: 1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:50 PPM/75 STEL
ACGIH TLV:50 PPM/75 STEL; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry

: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:EYES: CAN CAUSE MODERATE IRRITATION,
REDNESS, TEARING. SKIN: CAN CAUSE SLIGHT IRRITATION. INHALATION:
CAN CAUSE NASAL AND RESPIRATORY IRRITATION AND CENTRAL NERVOUS
SYSTEM EFFECTS INCLUDING DIZZINESS, WEAKNESS, FATIGUE, NASUEA.
INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, VOMITING,
DIARRHEA.

Explanation of Carcinogenicity:PER MANUFACTURER, IRAC HAS DETERMINED

THAT CHRONIC EXPOSURE TO ETHANOL CONSUMPTION OVER TIME CAN CAUSE
CANCER.

Effects of Overexposure:OVEREXPOSURE TO THIS MATERIAL HAS BEEN
SUGGESTED AS A CAUSE IN HUMANS OF LIVER ABNORMALITIES, EYE DAMAGE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL
ATTENTION. SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP

AND WATER.

REMOVE CONTAMINATED CLOTHING. INHALATION: REMOVE INDIVIDUAL TO FRESH AIR. GET MEDICAL ATTENTION. INGESTION: IMMEDIATELY DRINK TWO GLASSES OF WATER AND INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point Method:TCC

Flash Point:55.0F,12.8C

Lower Limits:1.4

Extinguishing Media:ALCOHOL FOAM OR CARBON DIOXIDE OR DRY CHEMICAL

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WITH

FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS OR OTHER FLAMES.

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

Spill Release Procedures:ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL. STOP SPILL AT SOURCE. PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES.

Other Precautions:SKIN ABSORPTION MAY CONTRIBUTE TO THE OVERALL ABSORPTION OF THIS MATERIAL. APPROPRIATE MEASURES SHOULD BE TAKEN TO PREVENT ABSORPTION SO THAT THE TLV AND/OR PEL ARE NOT INVALIDATED.

===== Exposure Control
s/Personal Protection =====

Respiratory Protection:A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL.

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

Protective Gloves:NEOPRENE, NITRILE RUBBER

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:WEAR IMPERVIOUS CLOTHING AND BOOTS TO PREVENT PROLONGED SKIN CONTACT.

Work Hygienic Practices:WAS

H HANDS THOROUGHLY AFTER EACH USE OF THIS
PRODUCT.

Supplemental Safety and Health

NONE

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

HCC:F5

Boiling Pt:B.P. Text:147F,64C

Vapor Pres:97.68

Vapor Density:>1 (AIR=1)

Spec Gravity: