

U.S. INDUSTRIAL CHEMICALS CO DIV OF NAT DIST&CHEM -- SDA-3A,190 PROOF DENATURED ALCOHOL -- 6810-00-543-7415

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

Product ID:SDA-3A,190 PROOF DENATURED ALCOHOL

MSDS Date:07/08/1985

FSC:6810

NIIN:00-543-7415

MSDS Number: BFDQB

=== Responsible Party ===

Company Name:U.S. INDUSTRIAL CHEMICALS CO DIV OF NAT DIST&CHEM

Address:RT 2

Box:218

City:TUSCOLA

State:IL

ZIP:61953-98

02

Country:US

Info Phone Num:217-253-3311

Emergency Phone Num:217-253-3311

Preparer's Name:R.J. SPOMER

CAGE:EO619

=== Contractor Identification ===

Company Name:U S INDUSTRIAL CHEMICALS CO

Address:RT 2

Box:218

City:TUSCOLA

State:IL

ZIP:61953-9802

Country:US

CAGE:1F942

Company Name:U.S. INDUSTRIAL CHEMICALS CO.

Box:429550

CAGE:EO619

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

Ingred Name:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 88.1%

OSHA PE

L:1000 PPM  
ACGIH TLV:1000 PPM; 9192

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)  
CAS:67-56-1  
RTECS #:PC1400000  
Fraction by Wt: 4.7%  
OSHA PEL:S,200PPM/250STEL  
ACGIH TLV:S,200PPM/250STEL; 93  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 7.2%

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF EYES,SKIN  
AND  
RESPIRATORY OR G.I. TRACT.INGESTION:MAY BE LETHAL OR  
BLINDNESS,HEADACHE,DROWSINESS,CNS  
DEPRESSION,NAUSEA,VOMITING,DIARRHEA. CHRONIC:DEFAT OR DERMATITIS.  
Effects of Overexposure:SEE HEALTH HAZARDS DATA.  
Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE  
WORSEN.

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

First Aid:INHALATION:REMOVE TO FRESH AIR;SEEK MEDICAL HELP IF NEEDED.  
EYES:FLUSH WITH PLENTY OF WATER FOR ABOUT 15 MINUTES.SEEK  
MEDICAL  
HELP IMMEDIATELY. SKIN:WASH WITH SOAP & WATER;USE MOISTURIZING  
CREAM. INGESTION:CALL A PHYSICIAN OR POISON CENTER IMMEDIATELY.

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

Flash Point Method:TCC  
Flash Point:60F/15.6C  
Autoignition Temp:Autoignition Temp Text:685F  
Lower Limits:3.3  
Upper Limits:19.0  
Extinguishing Media:DRY CHEMICAL,CO\*2,FOAM.  
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA IN ENCLOSED AREA.  
Unusual Fire/Explosion Hazard:MAY BE HAZARDOUS

# US DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;CONTAIN FIRE LIQUID;USE SUITABLE INERT ABSORBENT MATERIAL AND RECOVER FOR PROPER DISPOSAL.

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

Handling and Storage Precautions:STORE IN COOL,DRY AND WELL VENTILATED AREA.KEEP AWAY FROM HEAT,OPEN FLAMES AND KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR/ORGANIC VAPORS/MIST IF ABOVE TLV/PEL.  
Ventilation:LOCAL EXHAUST OR GENERAL TO MAINTAIN PEL/TLV.  
Protective Gloves:IMPERVIOUS.  
Eye Protection:SAFETY GLASSES.  
Other Protective Equipment:PROTECTIVE CLOTHING & EYE-WASH FACILITIES.  
Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE VAPORS/MIST;DO NOT TAKE INTERNALLY,CONTAINS METHYL ALCOHOL-TOXIC.  
Supplemental Safety and Health

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

HCC:F2  
Boiling Pt:=78.C, 172.4F  
Melt/Freeze Pt:=-113.9C, -173.F  
Vapor Pres:44.6  
Vapor Density:1.59  
Spec Gravity:0.815  
Solubility in Water:COMPLETE  
Appearance and Odor:CLEAR & COLORLESS

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

Stability Indicator/Materials to Avoid:YES  
ACETYL CHLORIDE,OXIDIZING AGENTS.  
Stability Condition to Avoid:EXTREME HEAT.  
Hazardous Decomposition Products:

CO GAS CAN FORM ON INCOMPLETE  
COMBUSTION.

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

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

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