

WARD'S NATURAL SCIENCE -- 39-0271 ETHYL ALCOHOL,DENATURED,ANHYDROUS --  
6810-00-205-6786

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

Product ID:39-0271 ETHYL ALCOHOL,DENATURED,ANHYDROUS

MSDS Date:06/22/1994

FSC:6810

NIIN:00-205-6786

MSDS Number: BYTJW

=== Responsible Party ===

Company Name:WARD'S NATURAL SCIENCE

Box:92912

City:ROCHESTER

State:NY

ZIP:14692-9012

Country:US

Info Phone Num:716-359-2502

Emergen

cy Phone Num:800-424-9300(CHEMTREC)

Preparer's Name:ALEXANDER A. PICCIRILLI

CAGE:EO227

=== Contractor Identification ===

Company Name:WARD'S NATURAL SCIENCE ESTABLISHMENT INC.

Box:92912

City:ROCHESTER

State:NY

ZIP:14692-9012

Country:US

Phone:716-359-2502

CAGE:EO227

Company Name:WARDS NATURAL SCIENCE ESTABLISHMENT INC

Address:5100 W HENRIETTA RD

Box:92912

City:ROCHESTER

State:NY

ZIP:14692-9012

Country:US

Phone:(716) 359-2502

CAGE:63759

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

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Ingred Name:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 92.6%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9495

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA 313) (CERCLA)

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: 3.7%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, 200 PPM

ACGIH TLV:S,200PPM/250STEL; 95

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ISOBUTYL KETONE (HEXONE) (SARA 313) (CERCLA)

CAS:108-10-1

RTECS #:S

A9275000

Fraction by Wt: 1.9%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:50 PPM/75 STEL; 9495

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL ACETATE (CERCLA)

CAS:141-78-6

RTECS #:AH5425000

Fraction by Wt: 1.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM; 9495

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:RUBBER HYDROCARBON SOLVENT

CAS:64742-89-8

Fraction by Wt: 0.8%

Other REC Limits:NONE RECOMMENDED

===== Fire Fi

ghting Measures =====

Flash Point Method:TCC

Flash Point:48.0F,8.9C

Autoignition Temp:Autoignition Temp Text:363C

Lower Limits:3.3

Upper Limits:19.0

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE (CO2), DRY CHEMICAL (ABC), ALCOHOL TYPE OR UNIVERSAL TYPE FOAMS.

Fire Fighting Procedures:WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS & PORTECTIVE CLOTHING.USE FLOODING MATS OF WATER IN EARLY STAGES OF FIRE.

Unusual Fire/Explosion Hazard:VAP FORM MAY TRAVEL/BE M  
OVED BY AIR

CURRENTS;IGN BY PILOT LIGHTS/OTHER FLAMES/SMOKING/SPAKR/ETC IGN SOURCES @LOCATION DISTANT FRM HDNLG PT.CAUTION!(SUPPLEMENTA)

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

Supplemental Safety and Health

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

HCC:F5

Boiling Pt:B.P. Text:167F,75C

Melt/Freeze Pt:M.P/F.P Text:-171F,-113C

Vapor Pres:44.6 @163F

Vapor Density:1.59

Spec Gravity:0.794 @60F

Evaporation Rate & Reference:4.1 (N-B

UTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS, MOBILE LIQUID, MILD CHARACTERISTIC ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

CONCEN NITRIC OR SULFURIC ACID;CONTACT W/ACETYL CHLORIDE & STRONG OXIDIZING AGENTS MAY REACT VIOLENTLY.

Stability Condition to Avoid:HEAT, FIRE, IGNITION SOURCES.

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g agencies):

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