

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

===== 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

Emergency 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

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

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 #:SA9275000
Fraction by Wt: 1.9%
Other REC Limits:NONE RECOMMENDED
O
SHA 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 Fighting Measures =====

Flash Point Method:TCC
FI

ash 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 & PROTECTIVE CLOTHING.USE FLOODING MATS OF WATER IN EARLY STAGES OF FIRE.
Unusual Fire/Explosion Hazard:VAPOR FORM MAY TRAVEL/BE MOVED BY AIR CURRENTS;IGN BY PILOT LIGHTS/OTHER FLAMES/SMOKING /SPARK/ETC IGN
SOURCES @LOCATION DISTANT FROM 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-BUTYL 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
CONCENTRATED NITRIC OR SULFURIC ACID;CONTACT WITH ACETYL CHLORIDE & STRONG OXIDIZING AGENTS MAY REACT VIOLENTLY.
Stability Condition to Avoid:HEAT, FIRE, IGNITION SOURCES.

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