

CSA LIMITED INC -- SPECIALLY DENATURED ALCOHOL -- 6810-00-205-6786

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Product Identification
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Product ID:SPECIALLY DENATURED ALCOHOL

MSDS Date:09/12/1990

FSC:6810

NIIN:00-205-6786

Status Code:A

MSDS Number: CLLWH

=== Responsible Party ===

Company Name:CSA LIMITED INC

Address:16212 FM 249

Box:690347

City:HOUSTON

State:TX

ZIP:77269-0347

Country:US

Info Phone Num:713-444-6454

Emergency Phone

Num:713-444-6454

Preparer's Name:HENRY SIMMONS

CAGE:0J289

=== Contractor Identification ===

Company Name:CSA LIMITED INC

Address:16212 FM 249

Box:690347

City:HOUSTON

State:TX

ZIP:77269-0347

Country:US

Phone:713-444-6454

CAGE:0J289

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Composition/Information on Ingredients
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Ingred Name:ETHYL ALCOHOL

CAS:64-17-5

RTECS #:KQ6300000

= Wt:93.

OSHA PEL:1900 MG/M3;1000 PPM

ACGIH TLV:1880 MG/M3;1000 PPM

Ingred Name:METHYL ALCOHOL

CAS:67-56-1

RTECS #:PC1400000

= Wt:4.

OSHA PE

L:260 MG/M3;200 PPM
ACGIH TLV:262 MG/M3;200 PPM
ACGIH STEL:328 MG/M3;250 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:BITREX
CAS:3734-33-6
RTECS #:BO6650000
< Wt:1.

Ingred Name:METHYL ISOBUTYL KETONE
CAS:108-10-1
RTECS #:SA9275000
< Wt:1.
OSHA PEL:410 MG/M3;100 PPM
ACGIH TLV:205 MG/M3;50 PPM
ACGIH STEL:307 MG/M3;75 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL ACETATE
CAS:141-78-6
RTECS #:AH5425000
< Wt:1.
OSHA PEL:1400 MG/M3;400 PPM
ACGIH TLV:1440 MG/M
3;400 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:MAY CAUSE LIVER DAMAGE, BLINDNESS,
DEATH. CONTAINS METHANOL AND IS POISONOUS
Effects of Overexposure:NAUSEA, UNCONSCIOUSNESS, SKIN AND EYE
IRRITATION.
Medical Cond Aggravated by Exposure:NONE

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

First Aid:EYE CO

NTACT-FLUSH WITH WATER, SEEK MEDICAL ATTENTION. SKIN
CONTACT-WASH WITH SOAP AND WATER. INHALATION-REMOVE VICTIM TO
FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NEEDED.
SWALLOWED-INDUCE VOMITING , CALL PHYSICIAN OR POISON CONTROL.

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Fire Fighting Measures
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Flash Point Method:TCC
Flash Point:=12.8C, 55.F
Lower Limits:3.3
Upper Limits:19
Extinguishing Media:DRY CHEMICAL, CO2
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE SELF-CONTAINED

BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:NONE

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Accidental Release Measures
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Spill Release Procedures:KEEP IGNITION SOURCES AWAY. VENTILATE AREA.
DILUTE WITH WATER AND MOP UP.

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Handling and Storage
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Handling and Storage Precautions:STORE AND USE AWAY FROM HEAT, OPEN
FLAME AND OTHER SOURCES OF IGNITION

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Exposure Controls/Personal Protection
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Respiratory Protection:
n:NOT NEEDED
Ventilation:LOCAL EXHAUST - NOT NEEDED. MECHANICAL (GENERAL)USE WELL
VENTILATED AREA.
Protective Gloves:RUBBER GLOVES.
Eye Protection:SAFETY GLASSES WITH SPLASH GUARDS.
Other Protective Equipment:HAVE EYE WASH AVAILABLE.
Work Hygienic Practices:KEEP CONTAINER CLOSED WHEN NOT IN USE
Supplemental Safety and Health

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Physical/Chemical Properties
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Boiling Pt:=78.C, 172.4F
Melt/Freeze Pt:=117.C, 242.6F
Vapor Pres:40 MMHG
Vapor Density:1.59
Spec

Gravity:.816

Evaporation Rate & Reference:1 (ETHER=1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR COLORLESS LIQUID WITH AN ALCOHOL ODOR

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIALS.

Stability Condition to Avoid:HIGH TEMPERATURES, OPEN FLAMES, AND SPARKS.

Hazardous Decomposition Products:CARBON DIOXIDE AND CARBON MONOXIDE

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

Waste Disposal Methods:SMALL AMOUNTS CAN BE FLUSHED TO DRAIN WITH WATER. LARGE AMOUNTS SHOULD BE COLLECTED FOR INCINERATION.

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