

SPECTRUM CHEMICAL MFG CORP. -- ETHANOL -- 6810-00-823-8003

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Product Identification  
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Product ID:ETHANOL

MSDS Date:05/27/1993

FSC:6810

NIIN:00-823-8003

MSDS Number: BQMGV

=== Responsible Party ===

Company Name:SPECTRUM CHEMICAL MFG CORP.

Address:14422 SOUTH SAN PEDRO STREET

City:GARDENA

State:CA

ZIP:90248-9985

Country:US

Info Phone Num:310-516-8000

Emergency Phone Num:310-516-8000/800-424

-9300(CHEMTREC)

CAGE:63415

=== Contractor Identification ===

Company Name:SPECTRUM LABORATORY PRODUCTS INC

Address:14422 S SAN PEDRO ST

Box:City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Phone:310-516-8000/FAX: 310-516-9843

CAGE:63415

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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: 100.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9596

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Haz

ards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 7060 MG/KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:TARGET ORGANS:CNS, EYE, SKIN. ACUTE-  
INHALE:MAY CAUSE HEADACHE, DROWSINESS, IRRITATION OF THROAT.

ORAL:NARCOTIC/HEPATOTOXIN. CAN CAUSE CNS DEPRESSION, NAUSEA,  
VOMITING. EYES:IRRITATION & EYE DAMAGE. S KIN:DEFATTING &  
IRRITATION. SKIN ABSORPTION MA

Y OCCUR. CHRONIC- DERMATITIS, CHANGES  
IN LIVER, KIDNEY & BRAIN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, EYE DAMAGE, HEADACHE, DROWSINESS,  
LACK OF CONCENTRATION, NAUSEA, VOMITING, DIZZINESS, LACK OF  
COORDINATION, BLURRED VISION, FATIGUE, PAIN, BURNING SENSATION

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING  
DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, LIVER, KIDNEYS,  
BRAIN, CNS MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICIT  
Y OF  
EXCESSIVE EXPOSURES.

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

First Aid:GET IMMEDIATE MEDICAL HELP FOR ALL CASES. EYES:FLUSH WITH  
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH PLENTY OF  
WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF  
NECESSARY. ORAL:IF CONSCIOUS, PROVIDE GASTRIC LAVAGE/EMESIS.  
ADMINSTRATION OF GASTRIC LAVAGE, OXYGEN/CPR SHOULD BE PERFORMED BY  
QUALIFIED MEDICAL PERSONNEL.

===== Fire F  
ighting Measures =====

Flash Point Method:TCC

Flash Point:55.0F,12.8C

Autoignition Temp:Autoignition Temp Text:685F

Lower Limits:3.3

Upper Limits:19

Extinguishing Media:USE WATER SPRAY, CARBON DIOXIDE (CO2), ALCOHOL FOAM  
OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED  
SELF-CONTAINED BREATHING APPARATUS. SEE 1990 EMERGENCY RESPONSE  
GUIDEBOOK, DOT P 5800.5.

Unusual Fire/Explosion Ha

azard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL  
CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.  
CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES  
OF IGNITION. VENTILATE AREA. CONTAIN AND PICK UP SPILL WITH  
NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH, VERMICULITE. GROUND  
ALL HANDLING EQUIPMENTS. PREVENT LIQUID FROM ENTERIN  
G SEWERS OR  
WATERWAYS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA, AWAY  
FROM HEAT, FLAMES, SPARKS, HOT SURFACES & INCOMPATIBLE MATERIALS.  
KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:DANGER! FLAMMABLE. AVOID BREATHING VAPORS. DO NOT GET  
IN EYES, ON SKIN/ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND  
BEFORE EATING/DRINKING. KEEP OUT OF REACH OF CHILDR

EN. DO NOT  
OVERHEAT CONTAINERS . VAPORS MAY BE EXPLOSIVE AND POISONOUS.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF TLV IS EXCEEDED OR  
FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR  
RESPIRATOR OR AIR-PURIFYING RESPIRATOR. IN EMERGENCY, WEAR A  
NIOSH-APPROVED POSITIVE-PRES SURE SELF-CONTAINED BREATHING  
APPARATUS.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF)

VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:LATEX/RUBBER

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE WASH FOUNTAIN SHOULD  
BE LOCATED NEARBY. WEAR APPROPRIATE PROTECTIVE CLOTHING FOR RISK OF  
EXPOSURE.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:F2  
NRC/S

tate Lic Num:NOT RELEVANT  
Boiling Pt:B.P. Text:173F,78C  
Melt/Freeze Pt:M.P/F.P Text:-179F,-117C  
Decomp Temp:Decomp Text:NOT KNOWN  
Vapor Pres:40 @ 66F  
Vapor Density:1.59  
Spec Gravity:0.7893  
Viscosity:1.22 CPS @68F  
Evaporation Rate & Reference:1.4 (CCL4=1)  
Solubility in Water:COMPLETE  
Appearance and Odor:CLEAR, COLORLESS LIQUID - PLEASANT ODOR WITH A  
BURNING TASTE  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS, ALKALI METALS, CHLORINE, ETHYLENE OXIDE,  
NITRIC ACID  
Stability Condition to Avoid:HEAT, SPARKS, FLAME AND OTHER SOURCES OF  
IGNITION  
Hazardous Decomposition Products:CARBON MONOXIDE AND/OR CARBON DIOXIDE  
MAY BE FORMED.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE  
AND FEDERAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER D001.

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