

Trade Name: **ETHYL ALCOHOL 200 PROOF USP**

MSDS Date: 02/20/1988

Tech Review: 9-15-2005

General Information

Company: SIGMA CHEMICAL COMPANY

PO Box: 14508

City: ST LOUIS

State: MO

Zip: 63178

Info Phone Number: (314) 771-5765

Emergency Phone Number: (314) 771-5765

Preparer's Name: KELLY MCANAUL

Other company information:

Name: SIGMA CHEMICAL COMPANY

Address: 3050 SPRUCE ST

Box: 14508

City: ST LOUIS

State: MO

Zip: 63178

Other company information:

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Address: 3050 SPRUCE ST

Box: 14508

City: ST LOUIS

State: MO

Zip: 63178

Country: US

Info Phone Number: 314-771-5765

Other information:

Unit of Issue: DR

UI Container Qty: 1

Type of Container: DRUM

Ingredients

Cas: 64-17-5

RTECS #: KQ6300000

Name: ETHYL ALCOHOL (ETHANOL)

% Text: 100%

Other REC Limits: 1900 MG/CUM

OSHA PEL: 1000 PPM

ACGIH TLV: 1000 PPM; 9192

Health Hazards Data

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

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Health Hazards Acute And Chronic: HARMFUL BY INHALATION, INGESTION/SKIN ABSORPTION. INHALATION: VAPOR/MIST IS IRRITATING TO EYES, MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT. SKIN: IRRITATION. CAN CAUSE CNS DEPRESSION, NARCOTIC EFFECT & DAMAGE TO THE HEART, NERVES & LIVER.

Explanation Of Carcinogenicity: ALCOHOL HAS BEEN LINKED TO CANCER IN HUMANS.

Signs And Symptoms Of Overexposure: IRRITATION, NAUSEA, HEADACHE, VOMITING

First Aid: INHALATION: REMOVE TO FRESH AIR. EYES: FLUSH W/COPIOUS AMOUNTS OF WATER FOR 15 MINS. INGESTION: WASH OUT MOUTH W/WATER IF CONSCIOUS. SKIN: FLUSH W/COPIOUS AMOUNTS OF WATER FOR 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures: EVACUATE AREA. SHUT OFF ALL IGNITION SOURCES. WEAR SCBA, RUBBER BOOTS & HEAVY RUBBER GLOVES. COVER W/DRY-LIME/SAND/SODA ASH. PLACE IN COVERED CONTAINERS USING NON-SPARKING TOOLS & TRANSPORT OUTDOORS. VENTILATE AREA/WASH SITE AFTER PICKUP IS COMPLETE.

Neutralizing Agent: DRY-LIME, SODA ASH

Waste Disposal Methods: BURN IN A CHEMICAL INCINERATOR EQUIPPED W/AN AFTER BURNER & SCRUBBER, USING EXTRA CARE IN IGNITING AS MATERIAL IS HIGHLY FLAMMABLE. OBSERVE ALL FEDERAL, STATE, & LOCAL REGULATIONS. UN 1170, UN 1986, U N1987.

Handling And Storage Precautions: KEEP TIGHTLY CLOSED & AWAY FROM HEAT, SPARKS, OPEN FLAME & OTHER IGNITION SOURCES, MOISTURE. STORE IN A COOL, DRY PLACE.

Other Precautions: DON'T BREATHE VAPOR. DON'T GET IN EYES, ON SKIN & ON CLOTHING. AVOID PROLONGED/REPEATED EXPOSURE.

Fire and Explosion Hazard Information

Flash Point Text: 62F

Extinguishing Media: CO2, DRY CHEMICAL POWDER/APPROPRIATE FOAM

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard: FLAMMABLE LIQUID. VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION & FLASH BACK.

Control Measures

Respiratory Protection: USE A NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation: USE ONLY IN A CHEMICAL FUME HOOD.

Protective Gloves: CHEMICAL RESISTANT, RUBBER

Eye Protection: CHEMICAL SAFETY GOGGLES

Other Protective Equipment: RUBBER BOOTS, SAFETY SHOWER & EYE BATH & OTHER PROTECTIVE CLOTHING

Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING/SHOES BEFORE REUSE.

Physical Chemical Properties

B. P. Text: 172.4F

Spec Gravity: 0.794

Appearance and Odor: CLEAR, COLORLESS LIQUID

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: HEAT, SPARKS, OPEN FLAME/OTHER SOURCES OF IGNITION, MOISTURE

Materials To Avoid: OXIDIZING AGENTS, PEROXIDES, ACIDS, ACID CHLORIDES, ACID ANHYDRIDES ALKALI METALS, AMMONIA

Hazardous Decomposition Products: CO & CO2.

HAZCOM Label

Trade Name: ETHYL ALCOHOL 200 PROOF USP

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City: ST LOUIS

State: MO

Zipcode: 63178

Country: US

Health Emergency Info Phone Number: (314) 771-5765

Label Required IND: Y

Date Of Label Review: 12/16/1998

Label Date: 12/16/1998

Hazard And Precautions: INHALATION: HARMFUL, MUCOUS MEMBRANES/UPPER RESPIRATORY TRACT IRRITATION, NAUSEA, VOMITING, FLUSHING, MENTAL EXCITEMENT, DEPRESSION, DROWSINESS, IMPAIRED PERCEPTION, INCOORDINATION, STUPOR, COMA, & DEATH. EYES: IRRITATION. SKIN: HARMFUL & ABSORPTION. INGESTION: HARMFUL, LIVER & KIDNEY DAMAGE. INHALATION: HARMFUL, MUCOUS MEMBRANES/UPPER RESPIRATORY TRACT IRRITATION, NAUSEA, VOMITING, FLUSHING, MENTAL EXCITEMENT, DEPRESSION, DROWSINESS, IMPAIRED PERCEPTION, INCOORDINATION, STUPOR, COMA, & DEATH. EYES: IRRITATION. SKIN: HARMFUL & ABSORPTION. INGESTION: HARMFUL, LIVER, & KIDNEY DAMAGE.

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