SIGMA CHEMICAL COMPANY -- W241903 ETHYL ALCOHOL 190 PROOF NON-DENATURED -- 6505-00F055768

Product Identification

Product ID: W241903 ETHYL ALCOHOL 190 PROOF NON-DENATURED
MSDS Date: 07/31/1996
FSC: 6505
NIIN: 00F055768
MSDS Number: CGVRY

Responsible Party

Company Name: SIGMA CHEMICAL COMPANY
Address: 3050 SPRUCE ST
Box: 14508
City: SAINT LOUIS
State: MO
ZIP: 63178-5000
Country: US
Info Phone Num: 314-771-5765/800-325-3010
Emergency Phone Num: 314-771-5765/800-325-3010
CAGE: 21076

Contractor Identification

Company Name: ALDRICH CHEMICAL CO INC
Address: 1001 WEST ST PAUL AVE
Box: 355
City: MILWAUKEE
State: WI
ZIP: 53233
Country: US
Phone: 414-273-3850
CAGE: 60928

Company Name: FLUKA CHEMICAL CORP
Address: 1001 WEST ST PAUL
Box: City: MILWAUKEE
State: WI
ZIP: 53233
Country: US
Phone: 414-273-3850
CAGE: 63181

Company Name: SIGMA CHEMICAL COMPANY
Address: 3050 SPRUCE ST
Box: 14508
City: SAINT LOUIS
State: MO
ZIP: 63178
Country: US
Phone: 314-771-5765
CAGE: 21076

Composition/Information on Ingredients

Ingredient: ETHANOL (ETHYL ALCOHOL), TECSOL, ALCOHOL, SYNASOL *98-1*
CAS: 64-17-5
RTECS #: KQ6300000
Other REC Limits: 1900 MG/CUM
OSHA PEL: 1000 PPM
ACGIH TLV: 1000 PPM
Hazards Identification

LD50 LC50 Mixture: ORAL LD50(RAT): 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: MAY BE HARMFUL BY INHALATION,
INGESTION/SKIN ABSORPTION. EYES: IRRITATION. INHALATION: IRRITATING
TO MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT. SKIN: IRRITATION.
CAN CAUSE CNS DEPRESSION, NARCOTIC EFFECT & DAMAGE TO THE HEART.
Explanation of Carcinogenicity: NONE
Effects of Overexposure: IRRITATION, NAUSEA, HEADACHE, VOMITING.

First Aid Measures

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.

Fire Fighting Measures

Flash Point: 62F
Extinguishing Media: CO2, DRY CHEMICAL POWDER/APPROPRIATE FOAM.
Fire Fighting Procedures: WEAR SCBA & 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 & FLASHBACK.

Accidental Release Measures

Spill Release Procedures: EVACUATE AREA. SHUT OFF SOURCES OF IGNITION.
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.

Handling and Storage

Handling and Storage Precautions: STORE IN A COOL DRY PLACE. KEEP AWAY
FROM HEAT, SPARKS & OPEN FLAME. KEEP TIGHTLY CLOSED.
Other Precautions: AVOID PROLONGED/REPEATED EXPOSURE. DON'T GET IN EYES,
SKIN/CLOTHING. DON'T BREATHE VAPOR. NO SMOKING.

Exposure Controls/Personal Protection

Respiratory Protection: WEAR APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation: CHEMICAL FUME HOOD.
Protective Gloves: CHEMICAL RESISTANT
Eye Protection: SAFETY GOGGLE
Other Protective Equipment: PROTECTIVE CLOTHING, SAFETY SHOWER & EYE
BATH.
Work Hygienic Practices: REMOVE/ LAUNDER CONTAMINATED CLOTHING BEFORE
REUSE. WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health

Physical/Chemical Properties
Boiling Pt:B.P. Text:172.4°F
Spec Gravity:0.816
Appearance and Odor:COLORLESS LIQUID

------------------ Stability and Reactivity Data ------------------

Stability Indicator/Materials to Avoid: YES
OXIDIZING AGENTS, PEROXIDES, ACIDS, ACID CHLORIDES, ACID ANHYDRIDES,
ALKALI METALS, AMMONIA.
Stability Condition to Avoid: MOISTURE, SOURCES OF IGNITION.

------------------ Disposal Considerations ------------------

Waste Disposal Methods: BURN IN A CHEMICAL INCINERATOR EQUIPPED W/AN
AFTERBURNER & SCRUBBER, IAW/FEDERAL, STATE & LOCAL REGULATIONS. BUT
EXERT EXTRA CARE IN IGNITING AS THIS MATERIAL IS HIGHLY FLAMMABLE.

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