ALDRICH CHEMICAL COMPANY -- 3-HYDROXY-2-BUTANONE-(ACETOIN) -- 6810-00F009740

==================================  Product Identification  =================================

Product ID: 3-HYDROXY-2-BUTANONE-(ACETOIN)
MSDS Date: 09/16/1987
FSC: 6810
NIIN: 00F009740
MSDS Number: BHLMX

--- Responsible Party ---
Company Name: ALDRICH CHEMICAL COMPANY
Box: 355
City: MILWAUKEE
State: WI
ZIP: 53201
Info Phone Num: (414) 273-3850
Emergency Phone Num: (414) 273-3850
Preparer's Name: CRAIG SHIMASAKI
CAGE: 60928

--- 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

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

Ingredient: 3-HYDROXY-2-BUTANONE
CAS: 513-86-0
RTECS #: EL8790000

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

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

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

Health Hazards Acute and Chronic: INHALATION: HARMFUL. IRITATION TO MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT. SKIN/EYES: HARMFUL IF ABSORBED & IRRITATION. INGESTION: HARMFUL.

Explanation of Carcinogenicity: NONE

Effects of Overexposure: INHALATION: IRRITATION TO MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT. SKIN/EYES: IRRITATION. INGESTION: HARMFUL.

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

First Aid: EYES: FLUSH W/COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SKIN: WASH W/SOAP & COPIOUS AMOUNTS OF WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL PHYSICIAN.

==================================  Fire Fighting Measures  =================================

Flash Point: 123°F
Extinguishing Media: CO2, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM, WATER SPRAY.

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING TO PREVENT CONTACT W/SKIN & EYES.

Unusual Fire/Explosion Hazard: COMBUSTIBLE LIQUID. EMITS TOXIC FUMES UNDER FIRE CONDITIONS. VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION & FLASH BACK.

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

Spill Release Procedures: EVACUATE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS & HEAVY RUBBER GLOVES. COVER W/DRY LIME OR SODA ASH & PICK UP. KEEP IN A CLOSED CONTAINER & HOLD FOR WASTE DISPOSAL.

Neutralizing Agent: DRY LIME & SODA ASH
Handling and Storage Precautions: AVOID BREATHING VAPOR, CONTACT W/EYES/SKIN & CLOTHING. WASH THOROUGHLY AFTER HANDLING. KEEP TIGHTLY CLOSED.
Other Precautions: KEEP AWAY FROM HEAT & OPEN FLAME. PROTECT FROM LIGHT. STORE IN A COOL DRY PLACE.

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

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation: MECHANICAL EXHAUST: REQUIRED
Protective Gloves: CHEMICAL-RESISTANT
Eye Protection: CHEMICAL SAFETY GOGGLES
Other Protective Equipment: SAFETY SHOWER & EYE BATH.
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING. WASH CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health

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

Melt/Freeze Pt: M.P/F.P Text: 90-91 C
Appearance and Odor: LIQUID

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

Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZING AGENTS & BASES,
Stability Condition to Avoid: IGNITION SOURCES, HEAT & OPEN FLAMES.
Hazardous Decomposition Products: CO, CO2, TOXIC FUMES

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

Waste Disposal Methods: THIS COMBUSTIBLE MATERIAL MAY BE BURNED IN A CHEMICAL INCINERATOR EQUIPPED W/AN AFTERBURNER & SCRUBBER. OBSERVE ALL FEDERAL, STATE, & LOCAL LAWS.

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