MATERIAL SAFETY DATA SHEET
FRC - DIVISION OF CINE MAGNETICS INC.

SECTION I

PRODUCT NAME: MITSUBISHI SLM-AC ACTIVATOR
CATALOGUE NUMBER(S): 60-18608-002
MANUFACTURER: FRC - Division of Cine Magnetics Inc.
524 South Columbus Avenue Mt. Vernon, NY 10550
PRODUCT INFORMATION: (914) 667-1002
EXPOSURE or ACCIDENT EMERGENCY: CHEMTREC (800) 424-9300
PREPARATION DATE OF MSDS: 6/1/92

SECTION II: COMPONENT AND REGULATORY INFORMATION

COMPONENTS REGULATORY LISTS CAS REG # OSHA PEL ACGIH TLV %WT
Water 7732-18-5 N/A N/A 60-100
Sodium Sulfite 7757-83-7 N/A N/A 3-7
Potassium Hydroxide (A) 1310-58-3 N/A (TWA) 2 mg/m3 1.5
N-Aminoethylethanolamine 111-41-1 N/A N/A 1.5
Sodium Hydroxide (A) 1310-73-2 (TWA) 2 mg/m3 (TWA) 2 mg/m3 1.5

REGULATORY LISTS FOR APPLICABLE COMPONENTS
A - CERCLA HAZARDOUS SUBSTANCE LIST
B - SARA TITLE III EXTREMELY HAZARDOUS SUBSTANCE LIST (SECTION 302)
C - SARA TITLE III TOXIC CHEMICAL SUBSTANCE LIST (SECTION 313)
D - CALIFORNIA (PROP. 65) LIST OF CANCER CAUSING SUBSTANCES
E - RESOURCE CONSERVATION AND RECOVERY ACT HAZARDOUS WASTE LIST

DOT SHIPPING NAME: Potassium Hydroxide Solution
HAZARD CLASS: Corrosive Material ID #: UN 1814
NFPA RATING: HEALTH - 2 FLAMMABILITY - 0 REACTIVITY - 0

SECTION III: PHYSICAL DATA

PH: 13.8 SPECIFIC GRAVITY: 1.10 SOLUBILITY IN WATER: Completely soluble.
BOILING POINT: Approx. 212 F EVAPORATION RATE: Not Available
VOLATILE ORGANIC CONTENT: 0 Lbs/Gallon VAPOR PRESSURE: Not Available
%VOLATILITY (as Water): 60-100 as Water. VAPOR DENSITY: Not Available
APPEARANCE AND ODOR: Colorless, odorless solution.

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): None
FLAMMABLE LIMITS - LOWER EXPOSURE LIMIT: N/A UPPER EXPOSURE LIMIT: N/A
EXTINGUISHING MEDIA: Any applicable to the primary cause of fire.
SPECIAL FIREFIGHTING PROCEDURES: Evacuate personnel to a safe area. Firefighters should wear self-contained breathing apparatus.
UNUSUAL FIRE HAZARDS: Excessive heat may release sulfur dioxide vapors.

SECTION V: REACTIVITY

STABILITY: Stable CONDITIONS TO AVOID: None
INCOMPATIBILITY (AVOID): Avoid strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur Dioxide
POLYMERIZATION: Does not polymerize. CONDITIONS TO AVOID: None

* CEILING VALUE; (TWA) - TIME WEIGHTED AVERAGE; N/A - NOT APPLICABLE
SECTION VI: SPILL AND WASTE DISPOSAL INFORMATION  

**** SPILLS ****

Use appropriate protective equipment. Dike the spill and soak up with absorbent material. Prevent liquid from entering sewers or waterways. Dispose of in accordance with Federal, State, and Local Regulations.

**** WASTE DISPOSAL ****

Discharge to sewer requires the approval of permitting authority and may require pretreatment. Treatment, storage, transportation, and disposal must be in accordance with Federal, State, and Local Regulations.

SECTION VII: HEALTH HAZARDS AND FIRST AID INFORMATION  

**** HEALTH HAZARDS ****

EYE CONTACT: Irritation or burning may occur with possible tissue destruction. May cause moderate to severe corneal injury, with iritis.

SKIN CONTACT: Reddening, swelling or burning may occur. Prolonged or repeated exposure may result in the absorption of potentially harmful amounts of aminoethyl-ethanolamine.

INGESTION: Corrosion of tissue may occur. Nausea, vomiting, or abdominal pain possible. Large doses of sodium sulfite may cause circulatory disturbances and central nervous system depression.

INHALATION: Concentrated mists may irritate or damage respiratory tract and lungs. May cause nausea or vomiting.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Sulfites may cause allergic reactions in some asthmatics.

CARCINOGENICITY: None of the chemicals used in this product are listed on NTP, IARC, or OSHA listings of human carcinogens.

**** FIRST AID ****


SKIN: Remove contaminated clothing. Wash the exposed area thoroughly with water. Contact a physician. Wash contaminated clothing before re-use.

INGESTION: If conscious, give 2 glasses of water. Do not induce vomiting. Obtain prompt medical attention.

INHALATION: Remove to fresh air. If adverse symptoms develop, contact a physician.

SECTION VIII: SPECIAL PROTECTION INFORMATION

VENTILATION: Ten room volumes per hour is recommended under normal conditions.

PROTECTIVE EQUIPMENT RECOMMENDED: Chemical splash goggles, latex or neoprene gloves, lab coat, and eye wash station. For poorly ventilated areas a NIOSH cartridge respirator is recommended.

SECTION IX: SPECIAL PRECAUTIONS

STORAGE and HANDLING PRECAUTIONS: Store in a well ventilated area. Keep container tightly capped when not in use. Do not store food, drink, or tobacco in areas where contamination could occur with this product.

OTHER PRECAUTIONS: Avoid breathing vapors. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not take internally. Keep out of reach of children.

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