Material Safety Data Sheet

FRC - DIVISION OF CINE MAGNETICS INC.

SECTION I -

PRODUCT NAME : **DENT-X EXCEL X-RAY FIXER**
CATALOGUE NUMBER (S) : **999-2602-001, 999-2602-301**
MANUFACTURE : FRC – Division of Cine Magnetics Inc.
524 South Columbus Avenue, Mt. Vernon, NY 10550
PRODUCT INFORMATION : (914) 667-1002
PREP. DATE OF MSDS : 6/1/92
EXPOSURE or ACCIDENT EMERGENCY : CHEMTREC **1 - 800 - 424 - 9300**

- 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
Ammonium Thiosulfate (A)	7783-18-8	N/A	N/A	7-13
Sodium Sulfite	7757-83-7	N/A	N/A	3-7
Acetic Acid (A)	64-19-7	(TWA) 10 ppm	(TWA) 10 ppm	3-7

* CEILING VALUE ; (TWA) - TIME WEIGHTED AVERAGE ; N / A - NOT APPLICABLE

** COMPONENT SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 (40 CFR 372).

REGULATORY LISTS FOR APPLICABLE COMPONINTS

- 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 : Non-Hazardous Aqueous Solution
HAZARD CLASS : Not Applicable ID # Not Applicable

NFPA RATING : HEALTH - 2 FLAMMABILITY - 0 REACTIVITY 0

SECTION III : PHYSICAL DATA -

pH : 4.6 SPECIFIC GRAVITY : 1.10
BOILING POINT : Approx. 212F
VOLATILE ORGANIC CONTENT: 0.15 Lbs/Gallon
%VOLATILITY (as Water): 60-100 as Water
APPEARANCE AND ODOR: Clear, colorless solution, vinegar odor

SOLUBILITY IN WATER Completely soluble
EVAPORATION RATE Not Available
VAPOR PRESSURE Not Available
VAPOR DENSITY Not Available

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 ware self-contained breathing apparatus.
UNUSUAL FIRE HAZARDS: Excessive heat may release ammonia vapors.

SECTION V : REACTIVITY -

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

- 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 of 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 possible if contacted. High concentrations of acetic acid vapors can cause excess blinking, tear production and eye discomfort.

SKIN CONTACT: Irritation and burning possible.

INGESTION: Acetic acid can cause burning to mouth, throat esophagus, abdominal pain, nausea, vomiting, shock state, and collapse. Sodium sulfite may cause circulatory disturbances and central nervous system damage.

INHALATION: If heated highly irritating ammonia vapors will irritate the throat. Inhaling high concentrations of acetic acid causes irritation, coughing, chest pain and pain and breathing difficulty.

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

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

****** FIRST AID ******

EYE: Flush with water for 15 minutes. Obtain medical attention.

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, drinks, or tobacco in area 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 the reach of children.