



Material Safety Data Sheet
FRC - DIVISION OF CINE MAGNETICS INC.



SECTION I -

PRODUCT NAME : DENT-X EXCEL X-RAY DEVELOPER
CATALOGUE NUMBER (S) : 999-2602-001, 999-2602-201
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
Sodium Sulfite	7757-83-7	N/A	N/A	7-13
Potassium Hydroxide (A)	1310-58-3	N/A	(TWA) 2mg/m3	1-5
**Hydroquinone (B, C)	123-31-9	(TWA) 2 mg/m3	(TWA) 2 mg/m3	1-5
Boric Acid	10043-35-3	N/A	N/A	1-5

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

NFPA RATING : HEALTH - 2 FLAMMABILITY - 0 REACTIVITY - 0

SECTION III PHYSICAL DATA -

pH: 10.2	SPECIFIC GRAVITY: 1.12	SOLUBILITY IN WATER	Completely soluble
BOILING POINT: Approx. 212F		EVAPORATION RATE	Not Available
VOLATILE ORGANIC CONTENT: 0.02 Lbs/Gallon		VAPOR PRESSURE	Not Available
%VOLATILITY (as Water): 60-100 as Water		VAPOR DENSITY	Not Available
APPEARANCE AND ODOR: Red Solution, aldehyde odor			

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 ammonia vapors.

SECTION V REACTIVITY

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

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- 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. Possible discoloration of the conjunctiva.

SKIN CONTACT: Reddening, swelling or burning may occur. Hydroquinone has been known to cause dermatitis.

INGESTION: Corrosion of tissue may occur. Nausea, vomiting, or abdominal pain possible. Large doses of 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 ****

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

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.