

FRC-DIVISION OF CINE MAGNETICS INC -- DENT-X EXCEL X-RAY FIXER (SUPPLEMENTAL) --  
6525-01-334-8774

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

Product ID:DENT-X EXCEL X-RAY FIXER (SUPPLEMENTAL)

MSDS Date:06/01/1992

FSC:6525

NIIN:01-334-8774

Kit Part:Y

MSDS Number: CBSLK

=== Responsible Party ===

Company Name:FRC-DIVISION OF CINE MAGNETICS INC

Address:524 S COLUMBUS AVE

City:MOUNT VERNON

State:NY

ZIP:10550-471

2

Country:US

Info Phone Num:914-667-1002

Emergency Phone Num:800-424-9300(CHEMTREC)

CAGE:NO452

=== Contractor Identification ===

Company Name:CINE MAGNETICS INC FR CHEMICALS DIV

Address:524 S COLUMBUS AVE

Box:City:MOUNT VERNON

State:NY

ZIP:10550-4712

Country:US

CAGE:21297

Company Name:DENT-X CORP (914-592-6100)

Box:UNKNOW

CAGE:4R150

Company Name:FRC-DIVISION OF CINE MAGNETICS INC

Address:524 S COLUMBUS AVE

Box:City:MOUNT VERNON

State:NY

ZIP:10550-4712

Country:US

Phone:914-667-1002

CAGE:NO452

===

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

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 60-100%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIUM THIOSULFATE  
CAS:7783-18-8  
RTECS #:XN6465000  
Fraction by Wt: 7-13%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM SULFITE  
CAS:7757-83-7  
RTECS #:WE2150000  
Fraction by Wt: 3-7%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ACETIC ACID (CERCLA)  
CAS:64-19-7  
RTECS #:AF1225000  
Fraction by Wt: 3-7%  
Oth  
er REC Limits:NONE RECOMMENDED  
OSHA PEL:10 PPM  
ACGIH TLV:10 PPM/15 STEL; 9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:VOLITILE ORGANIC CONTENT AS LISTED ON MSDS, VOC=0.15  
LBS/GALLON.  
RTECS #:9999999VC  
Fraction by Wt: NA  
Other REC Limits:NONE RECOMMENDED

Ingred Name:VOLATILE ORGANIC CONTENT AS LISTED ON MSDS: 0.10 LB/GAL  
RTECS #:9999999VC  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NOT RELEVANT  
ACGIH TLV:NOT RELEVANT

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

=====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:EYE:IRRIT,BURNING POSSIBLE.HI CONC OF ACETIC ACID VAP CAN CAUSE EXCESS BLINKING,TEAR PRODUCTION,EYE DISCOMFORT.SKIN:IRRIT,BURNING POSSIBLE.INGEST:ACETIC ACID CAN CAUSE BURNING TO MOUTH/THROAT/ESOPHAGU S,ABD PAIN,NAU,VOMIT,SHOCK STATE,COLLAPSE.SODIUM SULFITE MAY CAUSE CIRCULATORY D

ISTURB/CNS

DMG.INHAL:IF HEATED (SUPPLE)

Explanation of Carcinogenicity:PER MSDS:CARCENOGENICITY:NOEN OF THE CHEMS USED IN PRODUCT ARE LISTED ON NTP/IARC/OSHA LISTINGS OF HUMAN CARCINOGENS.

Effects of Overexposure:EYE:IRRIT,BURN,EXCESS BLINKING,TEAR PRODUCTION,DISCOMFORT. SKIN:IRRIT,BURN.

INGEST:MOUTH/THROAT/ESOPHAGUS BURN,ABD PAIN,NAU,VOMIT,SHOCK STATE,COLLAPSE,CIRCULATORY DISTURBANCES/CNS DMG. INHAL:IRRIT THR OAT,IRRIT,COUGH,CHEST PAIN,PAIN/BREATH DIFFICULTY.

Medical

Cond Aggravated by Exposure:SULFITES MAY CAUSE ALLERGIC REACTIONS IN SOME ASTHMATICS.

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

First Aid:EYE:FLUSH W/WATER FOR 15MINS.OBTAIN MED ATTN. SKIN:REMOVE CONTAMIN CLOTH.WASH EXPO AREA THOROUGHLY W/WATER.CONTACT PHYSICIAN. INGEST:IF CONSC GIVE 2 GLASSES OF WATER.DO NOT INDUCE VOMIT.OBTAIN PROMPT MED ATTN. INHAL:REMOVE TO FRESH AIR.IF ADVERSE SYMPTOMS DEVELOP CONTACT PHYSICIAN.

===== Fire

Fighting Measures =====

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NP

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:ANY APPLICABLE TO THE PRIMARY CAUSE OF FIRE.

Fire Fighting Procedures:EVACUATE PERSONNEL TO SAFE AREA. FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:EXCESSIVE HEAT MAY RELEASE AMMONIA VAPORS.

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

Spill Release Procedures:USE

APPROPRIATE PROTECTIVE EQPMT.DIKE/SOAK UP  
W/ABSORBANT MATL.PREVENT LIQ FROM ENTERING SEWERS/WATERWAYS.DISPOSE  
OF IN ACCORDANCE WITH FED/STATE/LOC REGS.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

=====  
===== Handling and Storage =====

Handling and Storage Precautions:STORE IN WELL VENTI AREA.KEEP CNTNR  
TIGHTLY CAPPED WHEN NOT IN USE.DO NOT STORE FOOD/DRINK/TOBACCO IN  
AREAS WHERE CONTAMIN COULD OCCUR W/PRODUCT.

Other Precautions:AVOID BREATH V  
AP.AVOID CONTACT EYES/SKIN/CLOTHING.DO  
NOT TAKE INTERNALLY.KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:FOR POORLY VENTILATED AREAS A NIOSH CARTRIDGE  
RESPIRATOR IS RECOMMENDED.

Ventilation:TEN ROOM VOLUMES PER HR RECOMMENDED UNDER NORMAL  
CONDITIONS.

Protective Gloves:LATEX OR NEOPRENE GLOVES.

Eye Protection:CHEM SPLASH GOGGLES.

Other Protective Equipment:LAB COAT, EYE WASH STATION.

Work Hygienic Practices:

WASH CONTAMIN CLOTH BEF REUSE.WASH THOROUGHLY  
AFTER HNDLG.

Supplemental Safety and Health

CAT#:999-2602-001; 999-2602-201. HEALTH HAZ:HIGHLY IRRIT AMMONIA VAP  
IRRIT THROAT.HIGH ACETIC ACID CONC IRRIT,COUGH,CHEST  
PAIN,PAIN/BREATH DIFFI. PER TIR:PKG CONSISTS OF DEVELOPER (SEE  
PNIND:A) & FIXE R.

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

HCC:N1

Boiling Pt:B.P. Text:212F,100C

Melt/Freeze Pt:M.P/F.P Text:NP

Decomp Temp:Decomp Text:NP

Vapor Pres:N/AVAI

Vapor

Density:N/AVAI  
Spec Gravity:1.10  
pH:4.6  
Viscosity:NP  
Evaporation Rate & Reference:N/AVAI  
Solubility in Water:COMPLETELY.  
Appearance and Odor:CLEAR, COLORLESS SOLUTION, VINEGAR ODOR.  
Percent Volatiles by Volume:60-100  
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES  
AVOID STRONG ACIDS & STRONG ALKALIS.  
Stability Condition to Avoid:NONE  
Hazardous Decomposition Products:SULFUR DIOXIDE AND AMMONIA.

=====

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

Waste Disposal Methods:DISCHARGE TO SEWER REQUIRES APPROVAL OF  
PERMITTING AUTHORITY;MAY REQUIRE  
PRETREATMENT.TREAT/STORAGE/TRASN/DISPO MUST BE IAW FED/STATE/LOC  
REGS.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be  
accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.