

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

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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

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Composition/Information on Ingredients  
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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

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Hazards Identification  
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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.

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===== 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.

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===== 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.

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===== 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.

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===== 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.

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