View NSN Online: https://aerobasegroup.kr/nsn/6750-01-353-9738

Product ID:197 3247 RAPID FIXER

MSDS Date:01/14/1998

FSC:6750

NIIN:01-353-9738

MSDS Number: CHHVM === Responsible Party ===

Company Name: EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY ZIP:14650 Country:US

Info Phone Num:716-477-3194

Emergency Phone Num:716-722-5151

CAGE:1913

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=== Contractor Identification ===

Company Name: EASTMAN KODAK CO GOVERNMENT MARKETS CONTRACTS

Address:343 STATE ST Box:City:ROCHESTER

State:NY

ZIP:14650-1115 Country:US

Phone:716-722-5151/(800) 242-2424

CAGE:19139

Company Name: EASTMAN KODAK CO US CUSTOMER SERVICE/GOVERNMENT SALES

Address:800 LEE RD Box:City:ROCHESTER

State:NY

ZIP:14650-3129 Country:US

Phone:800-828-6203

CAGE:5K871

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

Ingred Name:WATER

CAS:7732-18-5 RTECS #:ZC01 10000

Fraction by Wt: 40-45%

Other REC Limits: NONE RECOMMENDED

Ingred Name: AMMONIUM THIOSULFATE

CAS:7783-18-8

RTECS #:XN6465000 Fraction by Wt: 40-45%

Other REC Limits: NONE RECOMMENDED

Ingred Name: SODIUM ACETATE

CAS:127-09-3

RTECS #:AJ4300010 Fraction by Wt: 5-10%

Other REC Limits: NONE RECOMMENDED

Ingred Name:BORIC ACID

CAS:10043-35-3 RTECS #:ED4550000 Fraction by Wt: 1-5%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:10 MG BORATES/M3 ACGIH TLV:5 MG BORATES/M3

Ingred Name: AMMONIUM SULFITE (CERC

LA)

CAS:10196-04-0 Fraction by Wt: 1-5%

Other REC Limits: NONE RECOMMENDED

EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name: ACETIC ACID (CERCLA)

CAS:64-19-7

RTECS #:AF1225000 Fraction by Wt: 1-5%

Other 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: SODIUM BISULFITE (SASA III) (CERCLA)

CAS:7631-90-5

RTECS #:VZ2000000 Fraction by Wt: < 1%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:5 MG/M3 ACGIH TLV:5 MG/M3; 95 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT): > 2540 MG/KG Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EXPECTED TO BE A LOW INHALATION HAZARD FOR RECOMMENDED HANDLING. MAY LIBERATE SULFUR DIOXIDE WHICH IS IRRITATING TO RESPIRATORY TRACT. MAY CAUSE TRANSIENT EYE IRRITATION. MAY BE ABSOR

- BED IN TOXIC AMOU NTS THROUGH DAMAGED OR ABRADED SKIN. MAY CAUSE SKIN SENSITIZATION. MAY BE HARMFUL IF SWALLOWED.
- Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.
- Effects of Overexposure:RESPIRATORY TRACT IRRITATION,DIFFICULT BREATHING,EYE IRRITATION,SKIN SENSITIZATION,WHEEZING,CHEST TIGHTNESS,STOMACH UPSET,HIVES,FAINTNESS,WEAKNESS,DIARRHEA. BASED ON REPEATED-DOSE ING
- ESTION STUDIES IN ANIMALS, MAY CAUSE ADVERSE REPRODUCTIVE AND DEVELOPMENTAL EFFECTS. HOWEVER, DOSES MUCH HIGHER THAN NORMAL EXPOSURE.
- Medical Cond Aggravated by Exposure:SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING, WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS, WEAKNESS, DIARRHEA.

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL ATTENTIO

N IF SYMPTOMS PERSIST. EYES: WASH OUT IMMEDIATELY WITH WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. SKIN: WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION: ONLY INDUCE VOMITING AT ADVICE OF MEDICAL PERSONNEL. CALL PHYSICIAN OR POISON CONTROL ASAP. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS.

========== Fire Fighting Measures ============

Flash Point:NONFLAMMABLE Lower Limits:NOT GIVEN Upper Limits:NOT GIVEN Extinguishing

Media: NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE. Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS. Unusual Fire/Explosion Hazard: NONE SPECIFIED BY MANUFACTURER. ======== Accidental Release Measures =============== Spill Release Procedures:FLUSH TO SEWER IF ALLOWABLE WITH LARGE AMOUNTS OF WATER. OTHERWISE, ABSORB SPILL WITH VERMIC ULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE TO REMOVE RESIDUA L CONTAMINATION. Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER. ============ Handling and Storage =========================== Handling and Storage Precautions: AVOID BREATHING MIST OR VAPOR. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE WITH ADEQUATE VENTILATION. KEEP FROM CONTACT WITH OXIDIZING MATERIALS. Other Precautions: KEEP CONTAINER TIGHTLY CLOSED. KEEP **AWAY FROM** INCOMPATIBLE SUBSTANCES. ===== Exposure Controls/Personal Protection ======== Respiratory Protection: NONE SHOULD BE NEEDED. A FULL-FACE POSITIVE-PRESSURE AIR-SUPPLIED RESPIRATOR MUST BE WORN IF HAZARDOUS DECOMPOSITION PRODUCTS ARE LIKELY TO BE RELEASED OR HAVE BEEN RELEASED. Ventilation: GOOD GENERAL VENTILATION, TYPICALLY 10 AIR CHANGES PER HOUR, SHOULD BE USED. RATES SHOULD MATCH CONDITIONS. Protective Gloves: IMPERVIOUS Eye Protection: SAFETY GLASSE S W/SIDE SHIELDS OR GOGGLES Other Protective Equipment: CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE. Work Hygienic Practices: WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. Supplemental Safety and Health REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

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

HCC:N1

Boiling Pt:B.P. Text:>212F

,>100C
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Decomp Temp:Decomp Text:NOT GIVEN
Vapor Pres:18
Vapor Density:0.6
Spec Gravity:1.32
pH:5.0
Viscosity:NOT GIVEN
Evaporation Rate & Dr. Reference: NOT GIVEN
Solubility in Water:COMPLETE
Appearance and Odor:LIGHT YELLOW LIQUID, SLIGHT SULFUR DIOXIDE, ACETIC
ACID ODOR
Percent Volatiles by Volume:40-45%
========= Stability and Reactivity Data ==========
O(1114 114 4 14 4 14 4

Stability Indicator/Materials to Avoid:YES BASES, SODIUM HYPOCHLORITE (BLEACH), ST RONG OXIDIZING AGENTS, STRONG ACIDS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE,
OXIDES OF NITROGEN, SULFUR DIOXIDE, AMMONIA, CHLORAMINE.

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

Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE OR LOCAL LAWS. MAY REQUIRE NEUTRALIZATION IF PH < 2.0 OR PH > 12.5. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE

FEDERAL, STATE AND LOCAL REGULATIONS.

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