

EASTMAN KODAK CO. -- 173 3013 RAPID FIXER,PART B -- 6750-01-354-7466

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

Product ID:173 3013 RAPID FIXER,PART B

MSDS Date:01/15/1990

FSC:6750

NIIN:01-354-7466

MSDS Number: BPCGP

=== Responsible Party ===

Company Name:EASTMAN KODAK CO.

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Info Phone Num:716-724-4501/PACK=JOHN 716-588-3559

Emergency Pho

ne Num:716-722-5151(72)/FAX 716-724-9656

CAGE:19139

=== 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

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 65 - 74%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ALUMINUM SULFATE (SARA III)

CAS:10043-01-

3
RTECS #:BD1700000
Fraction by Wt: 15 - 20%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 11%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 500 - 5000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE- INHALATION:LOW HAZARD FOR
RECOMMENDED HANDLING. EYES:MAY CAUSE SEVERE IRRITATION, BURNS AND
BLINDNESS. SKIN:CONTACT CAUSES SEVERE BURNS AND IRRITATION.
ORAL:HARMFUL & BURNS MOUTH, THROAT, ESOPHAGUS AND STOMACH.
CHRONIC- NONE KNOWN.
Effects of Overexposure:INHALATION HAS LOW HAZARD FOR RECOMMENDED
HANDLING. MAY CAUSE SEVERE EYE IRRITATION, BURNS AND BLINDNESS.
SKIN CONTACT CAUSES SEVERE BURNS AND IRRITATION. HARMFUL & BURNS
MOUTH, THROAT, ESOPHAGUS AND STOMACH IF SWALLOWED.
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE
MORE SUSCEPTIBLE TO THIS MATERIAL.

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

First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN:IMMEDIATELY FLUSH
WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN.
INHALED:REMOVE TO FRESH AIR.

ORAL:DO NOT INDUCE VOMITING. IF
CONSCIOUS, DRINK WATER /MILK. CALL A PHYSICIAN IMMEDIATELY. NEVER
GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONE

Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:AVOID SKIN CONTACT. WEAR SUITABLE PROTECTIVE
EQUIPMENTS. VENTILATE AREA. NEUTRALIZE WITH BAKING SODA. FLUSH TO
SEWER WITH PLENTY OF WATER. WASH CONTAMINATED AREA WITH WATER.
FEDERAL, STATE AND LOCAL REGULATIONS TAKE PRECEDENCE.

Neutralizing Agent:SODIUM BICARBONATE

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

Handling and Storage Precautions:STORAGE- AVOID CONTACT WITH CAUSTIC.

Other Precautions:KEEP

THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN.

THIS PRODUCT FOR INDUSTRIAL USE ONLY. AVOID BREATHING VAPORS OR
MISTS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY
AFTER HANDLING.

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

Respiratory Protection:NON REQUIRED UNDER NORMAL CONDITIONS. IF HIGH
VAPOR OR MIST CONCENTRATIONS EXPECTED, USE NIOSH-APPROVED
RESPIRATOR FOR ACID MISTS. WEAR SUPPLIED-AIR RESPIRATOR PROTECTION
IN CONFINED OR

ENCLOSED SPACE S, IF NEEDED.

Ventilation:GOOD GENERAL VENTILATION IS SUFFICIENT FOR MOST CONDITIONS
(10 ROOM VOLUMES PER HOUR).

Protective Gloves:IMPERVIOUS

Eye Protection:GOGGLES/FACE SHIELD

Other Protective Equipment:ROUTINE USE OF ACID TYPE CLEANSER & GLOVES
WILL MINIMIZE ALLERGIC SKIN REACTION. HAVE EYE WASH STATION &
SHOWER NEARBY.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR
FOOTWEAR.

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

HCC:C1
Boiling Pt:B.P. Text:>212F,>100C
Vapor Pres:18 @ 20C
Vapor Density: 0.6
Spec Gravity:1.30
pH: 1.0
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR, WATER-WHITE SOLUTION; SLIGHT SULFUR DIOXIDE
ODOR.
Percent Volatiles by Volume: 71

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

Stability Indicator/Materials to Avoid:YES
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Stability Co
Condition to Avoid:EXCESSIVE HEAT
Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT
TO LOCAL, STATE AND FEDERAL REGULATIONS.

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