

EASTMAN KODAK COMPANY -- 101 3176;LIQUID DEVELOPER SYSTEM CLEANER;CONC;KAN 427808  
-- 6750-01-026-9410

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

Product ID:101 3176;LIQUID DEVELOPER SYSTEM CLEANER;CONC;KAN 427808

MSDS Date:02/16/1994

FSC:6750

NIIN:01-026-9410

MSDS Number: BGFQT

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:U

S

Info Phone Num:716-477-3194 MSDS :800- 242-2424

Emergency Phone Num:716-722-5151

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

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

===== Composi

tion/Information on Ingredients =====

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 65-70%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM BICHROMATE (SARA III)  
CAS:10588-01-9  
RTECS #:HX7700000  
Fraction by Wt: 15-20%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 0.1 MG (CRO3)/M3  
ACGIH TLV:0.05 MG(CR)/M3; 9394  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:SULFURIC ACID (SARA III)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 17%  
Other REC Limits:NONE RE  
COMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:TLV SODIUM DICHROMATE IS 0.05MG/KG TWA  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:EYES:MAY CAUSE IRRITATION AND SEVERE  
BURNS.SKIN:MAY CAUSE IRRITATION AND SEVERE BURNS.INGEST:MAY CAUSE  
GI TRACT IRRITATION AND  
CAUSE KIDNEY DAMAGE.INHAL:MAY CAUSE  
RESPIRATORY IRRITATION.CHRONIC:HEXAVALENT CHROMIUM COMPOUNDS ARE  
SUSPECT CARCINOGENS.  
Explanation of Carcinogenicity:HEXAVALENT CHROMIUM COMPOUNDS ARE  
SUSPECT CARCINOGENS.  
Effects of Overexposure:SKIN:ALLERGIC SKIN REACTIONS.  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING KIDNEY  
AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINAT

ED CLOTHING;WASH WITH WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE A GLASS OF WATER.

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

Flash Point:NONE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.DRIED PRODUCT CAN ACT AS A STRONG OXIDIZER.

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

Spill Release Procedures:SOAK UP WITH NON-COMBUSTIBLE INERT ADSORBANT(EG.CLAY);PLACE COLLECTED MATERIEL IN AN APPROPRIATE CONTAINER FOR DISPOSAL;CLEAN SPILL AREA TO REMOVE SLIPPERINESS.CLEAN SPILL AREA THOROUGHLY.

Neutralizing Agent:NOT REPORTED.

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

Handling and Storage Precautions:USE WITH ADEQUATE VENTILATION.KEEP CONTAINERS CLOSED.KEEP AWAY FROM BASES AND COMBUSTIBLE MATERIALS.

Other Precautions:FOLLOW LABEL DIRECTIONS.AVOID BREATHING VAPORS.AVOID SKIN AND EYE CONTACT.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR A NIOSH/MSHA APPROVED RESPIRATOR FOR ACID GAS,DEPENDING ON THE AIRBORN CONCENTRATION.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

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Supplemental Safety and Health  
KEY1;C1.

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

HCC:C1  
Boiling Pt:B.P. Text:>212F,>100C  
Vapor Pres:18  
Vapor Density:0.6  
Spec Gravity:1.262  
pH:1.0  
Solubility in Water:COMPLETE  
Appearance and Odor:LIQUID;ORANGE;SLIGHT ACRID  
Percent Volatiles by Volume:65

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

Stability Indicator/Materials to Avoid:YES  
REDUCING AGENTS,BASES,COMBUSTIBLE MATERIALS.  
Stability Condition to Avoid:  
d:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:SULFUR DIOXIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND  
LOCAL REGULATIONS.HMIS SUGGESTS TO EVALUATE TCLP AND CONSIDER RCRA  
CODE D007(CHROMIUM).

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