

EASTMAN KODAK COMPANY -- 150 0719,CONC,KODAK DEVELOPER SYSTEM CLEANER(SEE  
SUPPL DATA) -- 6850-01-439-7872

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

Product ID:150 0719,CONC,KODAK DEVELOPER SYSTEM CLEANER(SEE SUPPL DATA)

MSDS Date:08/01/2000

FSC:6850

NIIN:01-439-7872

Status Code:A

Kit Part:Y

MSDS Number: CLDDK

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHE

STER

State:NY

ZIP:14650

Country:US

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

Emergency Phone Num:716-722-5151

Preparer's Name:NOT PROVIDED

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

Minumum %

Wt:70.  
Maxumum % Wt:75.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT RELEVANT  
Code:F  
ACGIH TLV:NOT RELEVANT  
Code:F

Ingred Name:SODIUM SULFITE  
CAS:7757-83-7  
RTECS #:WE2150000  
Minumum % Wt:5.  
Maxumum % Wt:10.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:NOT PROVIDED

Ingred Name:SODIUM CITRATE  
CAS:68-04-2  
RTECS #:GE8300000  
&lt; Wt:1.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:NOT PROVIDED

Ingred Name:SODIUM BISULFITE  
CAS:7631-90-5  
RTECS #:VZ2000000  
Minumum % Wt:  
15.  
Maxumum % Wt:20.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:5 MG/M3  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NOT PROVIDED  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EFFECTS OF EXPOSURE: INHALATION:  
EXPECTED TO BE A LOW HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL  
HANDLING BY TRAINED PERSONNEL. IN CONTACT WITH STRONG ACIDS OR IF  
HEATE

D, SULFITES MAY LIBERATE SULFUR DIOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO THE RESPIRATORY TRACT. SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING. EYES: CAUSES IRRITATION. SKIN: CAUSES IRRITATION. THIS MATERIAL HAS A LOW POTENTIAL TO CAUSE ALLERGIC SKIN REACTIONS; HOWEVER, CASES OF HUMAN SKIN SENSITIZATION HAVE BEEN REPORTED. INGESTION: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION OF GI TRACT IF SWALLOWED.

#### Explanation

of Carcinogenicity:(COMPONENTS PRESENT AT 0.1% OR MORE):

- INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC): NONE
- AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): SODIUM BISULFITE, A4, NOT CLASSIFIABLE AS A HUMAN CARCINOGEN.
- NATIONAL TOXICOLOGY PROGRAM (NTP): NONE
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): NONE

Effects of Overexposure:INHALATION: IN CONTACT WITH STRONG ACIDS OR IF HEATED, SULFITES MAY LIBERATE SULFUR DIOXIDE

E GAS. SULFUR DIOXIDE

GAS IS IRRITATING TO THE RESPIRATORY TRACT. SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING. EYES: CAUSES IRRITATION. SKIN: CAUSES IRRITATION. INGESTION: MAY CAUSE IRRITATION OF GI TRACT IF SWALLOWED.

Medical Cond Aggravated by Exposure:SOME ASTHMATICS, HYPERSENSITIVE OR SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING, WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS, WEAKNESS AND DIARRHEA.

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

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CONTAMINATED CLOTHING BEFORE REUSE. DESTROY OR THOROUGHLY CLEAN CONTAMINATED SHOES. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION: DRINK 1-2 GLASSES OF WATER. SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONE

Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS

S

DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNT OF WATER.  
OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL,  
THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE  
THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent:NOT PROVIDED

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

Handling and

Storage Precautions:KEEP CONTAINER CLOSED. KEEP AWAY FROM  
INCOMPATIBLE SUBSTANCES (SEE INCOMPATIBILITY SECTION).

Other Precautions:AVOID BREATHING MIST OR VAPOR. AVOID CONTACT WITH  
EYES, SKIN, AND CLOTHING. USE WITH ADEQUATE VENTILATION. WASH  
THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NONE SHOULD BE NEEDED. A RESPIRATOR SHOULD BE  
WORN IF HAZARDOUS DECOMPOSITION PRODUCTS ARE LIKELY TO BE OR HAVE

BEEN RELEASED. RESPIRATOR TYPE: ACID GAS. SEE STABILITY AND  
REACTIVITY SECTION. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE  
INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR  
1910.134.

Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER  
HOUR)

Protective Gloves:WEAR IMPERVIOUS GLOVES APPROPRIATE FOR THE RISK OF  
EXPOSURE.

Eye Protection:WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).

Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

CONTD FROM PRODUCT ID: AND NEUTRALIZER, NEUTRALIZER. PART A HAS  
SULFURIC ACID. ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT  
AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT.  
N/D = NOT DETERMINED. N/E = NOT ESTABLISHED. CNS = CENTRAL NERVOUS  
SYSTEM. GI = GASTROINTESTINAL.

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Boilin

g Pt:>100.C, 212.F  
Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED  
Decomp Temp:Decomp Text:NOT PROVIDED  
Vapor Pres:18 @ 20C/68F  
Vapor Density:0.6  
Spec Gravity:1.239  
pH:5.7  
Viscosity:NOT PROVIDED  
Evaporation Rate & Reference:NOT PROVIDED  
Solubility in Water:COMPLETE  
Appearance and Odor:LIQUID, COLORLESS, ODORLESS.  
Percent Volatiles by Volume:70-75  
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS.

Stability Condition to Avoid:NOT PROVIDED  
Hazardous Decomposition Products:SULFUR DIOXIDE.

===== Toxicological Information =====

Toxicological Information:EFFECTS OF EXPOSURE: INHALATION: EXPECTED TO BE A LOW HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONNEL. IN CONTACT WITH STRONG ACIDS OR IF HEATED, SULFITES MAY LIBERATE SULFUR D IOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO THE RESPIRATORY TRACT. SOME ASTHMATICS OR HY  
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===== Ecological Information =====

Ecological:THE FOLLOWING PROPERTIES ARE ESTIMATED FROM THE COMPONENTS  
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F THE PREPARATIONS. POTENTIAL TOXICITY: FISH LC50 MG/L: >100.  
DAPHNID EC50 MG/L: >100. ALGAL IC50 MG/L: >100. ORGANICS  
READILY DEGRADABLE (>70%): YES (7 DAYS). POTENTIAL  
BIOACCUMULATION: LOG POW 100.

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

Waste Disposal Methods:DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT  
TO NATIONAL, STATE, OR LOCAL LAWS. FLUSH TO SEWER WITH LARGE  
AMOUNTS OF WATER.

===== MSDS Transport Information ==  
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Transport Information:FOR TRANSPORTATION INFORMATION REGARDING THIS  
PRODUCT CALL THE KODAK WORLDWIDE TRANSPORTATION HAZMAT HOT LINE:  
(716) 722-2400 BETWEEN 8 A.M. AND 5 P.M. (EASTERN STANDARD  
TIME), MONDAY THROUGH FR IDAY.

===== Regulatory Information =====

SARA Title III Information:CHEMICAL(S) SUBJECT TO THE REPORTING  
REQUIREMENTS OF SECTION 313 OR TITLE III OF THE SUPERFUND  
AMENDMENTS AND REAUTHORIZATION ACT (SA  
RA) OF 1986 AND 40 CFR  
PART 372: NONE

Federal Regulatory Information:NOT PROVIDED

State Regulatory Information:MATERIAL(S) KNOWN TO THE STATE OF  
CALIFORNIA TO CAUSE CANCER: NONE - MATERIAL(S) KNOWN TO THE STATE  
OF CALIFORNIA TO CAUSE ADVERSE REPRODUCTIVE EFFECTS: NONE

===== Other Information =====

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