

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

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

Product ID:150 0719, WKG SOL, KODAK DEVELOPER SYSTEM (SEE SUPPL DATA)

MSDS Date:08/01/2000

FSC:6850

NIIN:01-439-7872

Status Code:A

MSDS Number: CLDDL

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

Z

IP: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:95.

Maxumum

% Wt:100.
Other REC Limits:NOT PROVIDED
Code:F
Code:F

Ingred Name:SODIUM SULFITE
CAS:7757-83-7
RTECS #:WE2150000
Minumum % Wt:1.
Maxumum % Wt:5.
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:SODIUM CITRATE
CAS:68-04-2
RTECS #:GE8300000
< 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:1.
Maxumum % Wt:5.
Other REC Limits:NOT PROVIDED
OSHA PEL:NO
T 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: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 DIOXIDE GAS. SULFUR D IOXIDE GAS IS IRRITATING TO

THE RESPIRATORY TRACT. SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING. EYES: NO SPECIFIC HAZARD KNOWN. MAY CAUSE TRANSIENT IRRITATION. SKIN: 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.

Explanation of Carcinogenicity:INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC): NONE - AMERICAN CONFERENCE OF GOVERNMENT

AL

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 GAS. SULFUR DIOXIDE GAS IS IRRITATING TO THE RESPIRATORY TRACT. SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING. EYES

: MAY CAUSE TRANSIENT IRRITATION. SKIN: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: ANY MATERIAL THAT CON

TACTS THE EYE SHOULD BE WASHED OUT IMMEDIATELY WITH WATER. 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 DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNTS 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.

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/HR)
SHOULD BE USED. VENTI

LATION RATES SHOULD BE MATCHED TO CONDITIONS

Protective Gloves:WEAR IMPERVIOUS GLOVES AND PROTECTIVE CLOTHING
APPROPRIATE FOR 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: CLEANER AND NEUTRALIZER, NEUTRALIZER.

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.

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

HCC:N1

NRC/State Lic Num:NOT PROVIDED

Boiling Pt:>100.C, 212.F

Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:(68F): 24 MBAR (18 MM HG)

Vapor Density:0.6

Spec Gravity:1.030

pH:6.3

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:COMPLETE

Appearance and Odor:LIQ

UID, COLORLESS, ODORLESS.
Percent Volatiles by Volume:95-100 WT
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES
NONE WITH COMMON MATERIALS AND CONTAMINANTS WITH WHICH THE MATERIAL MAY
REASONABLY COME INTO CONTACT.
Stability Condition to Avoid:NOT PROVIDED
Hazardous Decomposition Products:SULFUR DIOXIDE.

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

Toxicological Information:EFF
ECTS 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
HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING.
EYES: NO SPECIFIC HAZARD KNOWN. MAY CAUSE TRAN SIENT IRRITATION.
SKIN: THIS MATERIAL HAS A LOW POTENTIAL TO CAUSE ALLERGI
C SKIN
REACTIONS; HOWEVER, CASES OF HUMAN SKIN SENSITIZATION HAVE BEEN
REPORTED. INGESTION: MAY BE HARMFUL IF SWALLOWED.

===== Ecological Information =====

Ecological:THE FOLLOWING PROPERTIES ARE ESTIMATED FROM THE COMPONENTS
OF THE PREPARATIONS. POTENTIAL TOXICITY: FISH LC50 MG/L: >100.
DAPHNID EC50 MG/L: >100. ALGAL IC50 MG/L: >100. ORGANICS
READILY DEGRAD ABLE (>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 =====

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 (SARA) 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 =====

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.