

EASTMAN KODAK COMPANY -- 150 0719 DEVELOPER SYSTEM CLEANER & NEUTRALIZER, PART A  
-- 6850-01-439-7872

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

Product ID:150 0719 DEVELOPER SYSTEM CLEANER & NEUTRALIZER, PART A

MSDS Date:02/04/2001

FSC:6850

NIIN:01-439-7872

Kit Part:Y

MSDS Number: CHHZH

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:146

50

Country:US

Info Phone Num: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

===== Composition/Inf

ormation on Ingredients =====

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Minumum % Wt:95.  
Maxumum % Wt:100.  
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM PERMANGANATE  
CAS:7722-64-7  
RTECS #:SD6475000  
&lt; Wt:5.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 5 MG(MN)/M3  
ACGIH TLV:5 MG(MN)/M3; 9596  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports o

f Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:INHALATION: EXPECTED TO BE A LOW  
HAZARD FOR RECOMMENDED HANDLING. EYES: CAUSES IRRITATION. SKIN: MAY  
STAIN SKIN BROWN. INGESTION: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE  
IRRITATION OF THE GASTROINTESTI NAL TRACT.

Explanation of Carcinogenicity:- INTERNATIONAL AGENCY FOR RESEARCH ON  
CANCER (IARC): GROUP 1, STRONG INORGANIC MISTS OR VAPORS CONTAINING  
SULFURIC ACID - AMERICAN CONFERENCE OF GOVERNMENTAL  
INDUSTRIAL

HYGIENISTS (ACGIH) (SULFURIC A CID): SUSPECTED HUMAN CARCINOGEN  
(A2) - NATIONAL TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL  
SAFETY AND HEALTH ADMINISTRATION (OSHA): NONE

===== 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 ATTEN TION. SKIN

: WASH WITH SOAP AND WATER. 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:NONFLAMMABLE  
Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
PROTECTIVE CLOTHING.  
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.

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

Handling and Storage Precautions:STORAGE-KEEP CONTAINER CLOSED.  
Other Precautions:AVOID BREATHING MIST AT CONCENTRATIONS  
GREATER THAN  
THE EXPOSURE LIMITS. AVOID CONTACT WITH EYES AND PROLONGED OR  
REPEATED CONTACT WITH SKIN. USE WITH ADEQUATE VENTILATION. WASH  
THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NONE SHOULD BE NEEDED. IF ENGINEERING CONTROLS  
DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE  
LIMITS, AN APPROVED RESPIRATOR MUST BE WORN. RESPIRATOR TYPE: ACID  
GAS. IF RESPIRATORS ARE USED, A P  
PROGRAM SHOULD BE INSTITUTED TO  
ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134.  
Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER  
HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO  
CONDITIONS.  
Protective Gloves:FOR PROLONGED OR REPEATED SKIN CONTACT, IMPERVIOUS  
GLOVES SHOULD BE WORN.  
Eye Protection:WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).  
Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES.  
Work Hygienic Practices:WASH

HANDS THOROUGHLY WITH SOAP AND WATER  
BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. IT IS  
A GOOD INDUSTRIAL HYGIENE PRACTICE TO MINIMIZE SKIN CONTACT.

Supplemental Safety and Health

VENTILATION: USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR  
OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS BELOW  
RECOMMENDED EXPOSURE LIMITS.

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

HCC:C1

Boiling Pt:>100.C, 212.F

Vapor Pres:(68F):24 MBAR(1  
8 MM HG)

Vapor Density:0.6

Spec Gravity:1.01

pH:7.0

Viscosity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

Appearance and Odor:PURPLE LIQUID, NO ODOR

Percent Volatiles by Volume:95-100 WT

===== 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:STABLE.

=====

= Toxicological Information =====

Toxicological Information:GENERAL: INTERNATIONAL AGENCY FOR RESEARCH ON  
CANCER (IARC) HAS DETERMINED THAT OCCUPATIONAL EXPOSURE TO STRONG  
INORGANIC MISTS OR VAPORS CONTAINING SULFURIC ACID IS CARCINOGENIC  
TO HUMANS. PRODUCT IS NOT EXPECTED TO GENERATE MISTS OR VAPORS  
WHEN PRODUCT INSTRUCTIONS FOR MIXING AND USE ARE FOLLOWED. DO NOT  
USE SUBSTANCE IN A WAY THAT WOULD GENERATE VAPOR, MIST, AEROSOL,  
DUST OR OTHER POTENTIAL IN

H ALATION EXPOSURE.

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

Ecological:THE FOLLOWING PROPERTIES ARE ESTIMATED FROM THE COMPONENTS OF THE PREPARATIONS. PART A: POTENTIAL TOXICITY: FISH LC50 MG/L: >100. DAPHNID EC50 MG/L:10-100. ALGAL IC50 MG/L: 10-100. ORGANICS READILY DEGRADABLE (>70%): NOT APPLICABLE. POTENTIAL BIOACCUMULATION: LOG POW