

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:14650

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/Inform

ation 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
< 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 of C

arcinogenicity: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 IN DUSTRIAL

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: W

ASH 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 GR
EATER THAN

THE EXPOSURE LIMITS. AVOID CONTACT WITH EYES AND PROLONGED OR
REPEATED CONTACT WITH SKIN. USE WITH ADEQUATE VENTILATION. WASH
THOROUGHLY AFTER HANDL ING.

===== 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 PROG

RAM 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 HA

NDS 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(18 M
M 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 INH A

LATION 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