

EASTMAN KODAK COMPANY -- 874 0110,PT 4,KODAK FLEXICOLOR SM PROCESSING UNIT F1/C41SM -- 6750-01-443-2999

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

Product ID:874 0110,PT 4,KODAK FLEXICOLOR SM PROCESSING UNIT F1/C41SM

MSDS Date:09/11/2000

FSC:6750

NIIN:01-443-2999

Status Code:A

Kit Part:Y

MSDS Number: CLDDW

==== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

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:7

0.

Maximum % Wt:75.

Other REC Limits:NOT PROVIDED

Code:F

Code:F

Ingred Name:HYDROXYLAMINE SULFATE

CAS:10039-54-0

RTECS #:NC5425000

Minumum % Wt:25.

Maxumum % Wt:30.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

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

LD50 LC50 Mixture:NOT PROVIDED

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:GENERAL: CONTAINS HYDROXYLAMINE SULFATE. MAY CAUSE BLOOD DISORDERS

BASED ON ANIMAL DATA.

INHALATION: EXPECTED TO BE A LOW HAZARD FOR RECOMMENDED HANDLING.

EYES: CAUSES IRRITATION. SKIN: HARMFUL IF ABSORBED THROUGH SKIN.

CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION BASED ON HUMAN EXPERIENCE. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT.

Explanation of Carcinogenicity:CARCINOGENICITY CLASSIFICATION

(COMPONENTS PRESENT AT 0.1% OR MORE): - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYG

IENISTS (ACGIH): NONE - INTERNATIONAL

AGENCY FOR RESEARCH ON CANCER (IARC): NON E - NATIONAL TOXICOLOGY

PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

(OSHA): NONE

Effects of Overexposure:EYES: CAUSES IRRITATION. SKIN: CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION BASED ON HUMAN EXPERIENCE. INGESTION: MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT.

Medical Cond Aggravated by Exposure:NOT PROVIDED

===== First Aid Measures

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First Aid: INHALATION: 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. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. WASH CONTAMINATED CLOTHING BEFORE REUSE. DESTROY OR THOROUGHLY CLEAN CONTAMINATED SHOES.

INGESTION:

INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

===== 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.

USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard: SOLUTION CONTAINS A STRONG REDUCING AGENT. DRIED PRODUCT RESIDUE CAN ACT AS A REDUCING AGENT. ELEVATED TEMPERATURE CAN CAUSE DECOMPOSITION.

===== 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 TIGHTLY CLOSED TO PREVENT THE LOSS OF WATER. CONTENTS MAY DEVELOP PRESSURE UPON PROLONGED EXPOSURE TO HEAT. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES (SEE INCOMPATIBILITY SECTION). STORE IN A COOL PLACE. STORE IN ORIGINAL CONTAINER. AVOID PROLONGED OR REPEATED BREATHING OF MIST

OR VAPOR.

Other Precautions:DO NOT GET IN EYES, ON SKIN, ON CLOTHING. USE WITH ADEQUATE VENTILATION. WASH AFTER HANDLING.KEEP AWAY FROM HEAT. KEEP FROM CONTACT WITH OXIDIZING MATERIALS, HIGHLY OXYGENATED OR HALOGENATED SOLVENTS, ORGANIC COMPOUNDS CONTAINING REDUCIBLE FUNCTIONAL GROUPS, OR AQUEOUS AMMONIA.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCEPTABLE LEVEL, AN APPROVED RESPIRATOR MUST

BE WORN. RESPIRATOR TYPE: ORGANIC VAPOR. 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) SHOULD BE USED. VENTILATION 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

SUPPLEMENTARY LOCAL EXHAUST VENTILATION, CLOSED SYSTEMS, OR RESPIRATORY PROTECTION MAY BE NEEDED IN SPECIAL CIRCUMSTANCES SUCH AS POORLY VENTILATED SPACES, EVAPORATION FROM LARGE SURFACES, SPRAYING, EATING, ETC.

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

HCC:C2

NRC/State Lic Num:NOT RELEVANT

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oiling Pt:B.P. Text:DECOMPOSES

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

Decomp Temp:>110.C, 230.F

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

Vapor Density:0.6

Spec Gravity:1.16

pH:3.0

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:COMPLETE

Appearance and Odor:LIQUID. COLORLESS. ODORLESS.

Percent Volatiles by Volume:70-75 WT

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

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TRONG OXIDIZING AGENTS, COMBUSTIBLE MATERIAL, HALOGENATED MATERIALS.

STRONG ACIDS

Stability Condition to Avoid:STABLE; HOWEVER, MATERIAL CAN DECOMPOSE

ABOVE 110C (230F). AVOID HEATING ABOVE ROOM TEMPERATURE.

Hazardous Decomposition Products:AMMONIA, NITROGEN OXIDES (NOX), SULFUR DIOXIDE

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

Toxicological Information:DATA FOR HYDROXYLAMINE SULFATE ACUTE

TOXICITY DATA: ORAL LD-50 (RAT): 100-200 MG/KG DERMAL

LD-50: > 1.0 G/KG SKIN IRRITATION: MODERATE SKIN

SENSITIZATION: STRONG EYE IRRITATION: SLIGHT DERMAL

STUDY: 0.01 - 0.05 G/KG 24 HOURS (TARGET ORGAN EFFECTS: RED BLOOD CELL)

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

Ecological:THE FOLLOWING PROPERTIES ARE ESTIMATED FROM THE COMPONENTS OF THE PREPARATIONS. POTENTIAL TOXICITY: FISH LC50 MG/L: 10-100.

DAPHNID EC50 MG/L: 1-10. ALGAL IC50 MG/L: >100. ORGANICS

READILY DEG

RA DABLE (>70%): NOT APPLICABLE. POTENTIAL

BIOACCUMULATION: LOG POW