

EASTMAN KODAK COMPANY -- 123 0432,PT A,KODAK EKTACOLOR RA DEVELOPER (SEE SUPPL) --  
6750-01-354-1029

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

Product ID:123 0432,PT A,KODAK EKTACOLOR RA DEVELOPER (SEE SUPPL)

MSDS Date:11/24/1999

FSC:6750

NIIN:01-354-1029

Status Code:A

Kit Part:Y

MSDS Number: CLKPK

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:N

Y

ZIP:14650

Country:US

Info Phone Num:716-722-5151/(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:60.

Maxumum %

Wt:65.  
Other REC Limits:NOT PROVIDED  
Code:F  
Code:F

Ingred Name:TRIETHANOLAMINE  
CAS:102-71-6  
RTECS #:KL9275000  
Minumum % Wt:20.  
Maxumum % Wt:25.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:5 MG/M3

Ingred Name:N,N-DIETHYLHYDROXYLAMINE  
CAS:3710-84-7  
RTECS #:NC3500000  
Minumum % Wt:10.  
Maxumum % Wt:15.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:NOT PROVIDED

Ingred Name:SUBSTITUTED STILBENE  
CAS:82640-05-9  
Minumum % Wt:1.  
Maxumum % Wt:5.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:NOT PROVIDED

Ingred Name:LITHIUM POLYSTYRENESULFONATE  
CAS:9016-91-5  
&lt; Wt:1.  
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:EFFECTS OF EXPOSURE: GENERAL:  
CONTAINS: TRIETHANOLAMINE. BASED ON ANIMAL DATA, MAY CAUSE ADVERSE  
EFFECTS ON THE

FOLLOWING ORGANS/SYSTEMS: KIDNEY, LIVER. INHALATION:  
MAY BE HARMFUL IF INHALED. EYES: CAUSES IRRITATION. SKIN: CAUSES  
IRRITATION. HARMFUL IF ABSORBED THROUGH SKIN. INGESTION: HARMFUL IF  
SWALLOWED. MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT.  
Explanation of Carcinogenicity: CARCINOGENICITY CLASSIFICATION  
(COMPONENTS PRESENT AT 0.1% OR MORE): - INTERNATIONAL AGENCY FOR  
RESEARCH ON CANCER (IARC): NONE - AMERICAN CONFERENCE OF  
GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH)  
: NONE - NATIONAL  
TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AND HEALTH  
ADMINISTRATION (OSHA): NONE  
Effects of Overexposure: EYES: CAUSES IRRITATION. SKIN: CAUSES  
IRRITATION. INGESTION: MAY CAUSE IRRITATION OF THE GASTROINTESTINAL  
TRACT.  
Medical Cond Aggravated by Exposure: NOT PROVIDED

===== 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. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER  
FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND  
SHOES. GET MEDICAL ATTENTION. 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: >60.6C, 141.F  
Extinguishing Media: WATER SPRAY, CARBON DIOXIDE (CO2), DRY CHEMICAL,  
ALCOHOL FOAM.  
Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND  
PROTECTIVE CLOTHING. USE WATER SPRAY TO KEEP FIRE-EXPOSED  
CONTAINERS COOL. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS  
DECOMPOSITION PRODUCTS.  
Unusual Fire/Explosion Hazard: CLASSIFIED AS COMBUSTIBLE

BLE. ELEVATED  
TEMPERATURE CAN CAUSE DECOMPOSITION.

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

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. 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. STORE IN A COOL PLACE. KEEP FROM CONTACT WITH OXIDIZING MATERIALS. KEEP AWAY FROM HEAT AND FLAME. USE WITH ADEQUATE VENTILATION.

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

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, 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

CONTD FROM PRODUCT ID: REPLENISHER. THIS IS A KIT. THE OTHER MSDS SERIAL NUMBERS ARE: CLLCG, CLLCS. SUPPLEMENTARY LOCAL EXHAUST VENTILATION, CLOSED SYSTEMS, OR RESPIRATORY PROTECTION MAY BE NEEDED IN SPECIAL CIRCUMSTANCES SUCH AS POORLY VENTILATED

TILATED SPACES,  
EVAPORATION FROM LARGE SURFACES, SPRAYING, HEATING, ETC.

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

HCC:B1  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:=100.C, 212.F  
Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED  
Decomp Temp:>169.C, 336.2F  
Vapor Pres:68F: 24 MBAR (18 MM HG)  
Vapor Density:0.6  
Spec Gravity:1.044  
pH:10.6  
Viscosity:NOT PROVIDED  
Evaporation Rate & Reference:NOT PROVIDED  
Solubility in Water:COMPLETE  
Appearance and Odor:YELLOW LIQUID. ODOR: ST  
RONG AMINE  
Percent Volatiles by Volume:60-65 WT  
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:MATERIALS CONTAINING SIMILAR STRUCTURAL  
GROUPS CAN DECOMPOSE IF HEATED ABOVE 169C (336F).  
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE,  
OXIDES OF NITROGEN

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

Toxico  
logical Information:EFFECTS OF EXPOSURE: GENERAL: CONTAINS:  
TRIETHANOLAMINE. BASED ON ANIMAL DATA, MAY CAUSE ADVERSE EFFECTS ON  
THE FOLLOWING ORGANS/SYSTEMS: KIDNEY, LIVER. INHALATION: MAY BE  
HARMFUL IF INHALED. EYES: CAUSES IRRITATION. SKIN: CAUSES  
IRRITATION. HARMFUL IF ABSORBED THROUGH SKIN. INGESTION: HARMFUL IF  
SWALLOWED. MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT.

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

Ecological:THIS MATERIAL IS

A MODERATELY ALKALINE AQUEOUS SOLUTION, AND THIS PROPERTY MAY CAUSE ADVERSE ENVIRONMENTAL EFFECTS. IT IS EXPECTED TO HAVE THE FOLLOWING PROPERTIES: A LOW BIOCHEMICAL OXYGEN DEMAND AND LITTLE POTENTIAL TO CAUSE OXYGEN DEPLETION IN AQUEOUS SYSTEMS, A LOW POTENTIAL TO AFFECT AQUATIC ORGANISMS, A LOW POTENTIAL TO AFFECT SECONDARY WASTE TREATMENT MICROBIAL METABOLISM, A MODERATE POTENTIAL TO AFFECT THE GERMINATION AND/OR EARLY GROWTH OF SOME PLANTS. AFTER DILUTION WITH A LARGE AMOUNT OF WATER, FOLLOWED BY SECONDARY WASTE TREATMENT, THIS MATERIAL IS NOT EXPECTED TO CAUSE ADVERSE ENVIRONMENTAL EFFECTS.

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

Waste Disposal Methods: FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED.

===== 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 FRIDAY.

===== 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 R

egulatory 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 manne

r 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.