

EASTMAN KODAK COMPANY -- 101 3176 LIQUID DEVELOPER SYSTEM CLEANER, CONCENTRATE  
-- 6750-01-026-9410

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

Product ID:101 3176 LIQUID DEVELOPER SYSTEM CLEANER, CONCENTRATE

MSDS Date:12/17/1997

FSC:6750

NIIN:01-026-9410

MSDS Number: BXXLG

=== 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

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

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Composition/Information on Ingredients  
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Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Minumum % Wt:65.  
Maxumum % Wt:70.  
Other REC Limits:NOT PROVIDED

Ingred Name:SODIUM DICHROMATE (NA2(CR2O7))  
CAS:10588-01-9  
RTECS #:HX7700000  
= Wt:18.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:SEE TABLE Z-2  
ACGIH TLV:0.05 MG/M3  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:SULFURIC ACID  
CAS:7664-93-9  
RTECS #:WS5600000  
Minumum % Wt:15.  
Maxumum % Wt:20.  
Other REC Limits:NOT PRO  
VIDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3  
ACGIH STEL:3 MG/M3  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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Hazards Identification  
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LD50 LC50 Mixture:NOT PROVIDED  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:EFFECTS OF EXPOSURE: INHALATION:  
HARMFUL IF INHALED. EYES: CAUSES SEVERE BURNS. SKIN: CAUSES SEVERE  
BURNS. HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE ALLERGIC SKIN  
REACTION. INGESTION: HARMFUL

IF SWALLOWED. MAY CAUSE BURNS OF THE GASTROINTESTINAL TRACT IF SWALLOWED. CAN CAUSE KIDNEY DAMAGE.  
Explanation of Carcinogenicity:INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC): GROUP 1, STRONG INORGANIC MISTS OR VAPORS CONTAINING SULFURIC ACID, HEXAVALENT CHROMIUM COMPOUNDS - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): GROUP A1 CONFIRMED HUMAN CARCINOGEN, HEXAVALENT CHROMIUM COMPOUNDS - NATIONAL TOXICOLOGY PROGRAM: HEXAVALENT CHROMIUM COMPOUNDS  
OSHA: NONE  
Effects of Overexposure:EYES: CAUSES SEVERE BURNS. SKIN: CAUSES SEVERE BURNS. INGESTION: MAY CAUSE BURNS OF THE GASTROINTESTINAL TRACT IF SWALLOWED.  
Medical Cond Aggravated by Exposure:NOT PROVIDED

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First Aid Measures  
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First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY. 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: DO NOT INDUCE VOMITING. GIVE VICTIM A GLASS OF WATER. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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Fire Fighting Measures  
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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:SOLUTION CONTAINS A STRONG OXIDIZER. DRIED PRODUCT RESIDUE CAN ACT AS AN OXIDIZER.

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Accidental Release Measures  
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Spill Release Procedures:ABSORB SPILL

L 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

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES.

Other Precautions:DO NOT BREATHE MIST OR VAPOR. MINIMIZE THE POTENTIAL FOR THE PRODUCTION OF AEROSOLS. DO NOT GET IN EYES, ON SKIN, ON

CLOTHING. USE ONLY WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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===== 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: FULL-FACE CARTRIDGE RESPIRATOR ACID GAS WITH DU ST/MIST PREFILTER. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134.

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

Protective Gloves:WEAR IMPERVIOUS GLOVES AND PROTECTIVE CLOTHING APPROPRIATE FOR RISK OF EXPOSURE

Eye Protection:WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) AND A FACE SHIELD.

Other Protective Equipment:EYE BATH, WASHING FACILITIES, SAFETY SHOWER. THE FOLLOWING GLOVES HAVE BEEN SHOWN T

O BE IMPERVIOUS UNDER THE INDICATED CONDITIONS: NEOPRENE RUBBER.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

ABBREVIATION: N/A=NOT APPLICABLE OR NOT AVAILABLE. N/K=UNKNOWN. N/P=NOT PROVIDED. N/R=NOT RELEVANT. N/D=NOT DETERMINED. N/E=NOT ESTABLISHED.

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:>100.C, 212.F

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

Decomp Temp:Decomp Text:NOT PROVIDED

Va

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

Vapor Density:0.6

Spec Gravity:1.262

pH: