

EASTMAN KODAK COMPANY -- 101 3259 LIQUID DEVELOPER SYSTEM CLEANER --
6750-01-367-1043

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

Product ID:101 3259 LIQUID DEVELOPER SYSTEM CLEANER

MSDS Date:02/16/1994

FSC:6750

NIIN:01-367-1043

MSDS Number: BTTPH

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Info Phone Num:716-722-5151

Em

ergency 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

===== Composition/Information on Ingredients =====

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 65-70% %

Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM BICHROMATE (SARA III)

CAS:10588-01-9

RTECS #

:HX7700000
Fraction by Wt: 15-20% %
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 0.1 MG (CRO3)/M3
ACGIH TLV:0.05 MG(CR)/M3; 9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 17% %
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE
R

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES OSHA:NO
Health Hazards Acute and Chronic:HARMFUL IF INHALED. CAUSES SEVERE EYE
BURNS. CAUSES SEVERE SKIN BURNS. HARMFUL IF ABSORBED THROUGH THE
SKIN. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL IF SWALLOWED. MAY
CAUSE BURNS OF THE GASTROINTESTINAL TRACT. CAN CAUSE KIDNEY
DAMAGE.

Explanation of Carcinogenicity:IARC HAS DETERMINED THAT EXPOSURE TO
HEXAVALENT CHROMIUM AND
STRONG INORGANIC SULFURIC ACIDS MISTS ARE
CARCINOGENIC.

Effects of Overexposure:RESPIRATORY TRACT IRRITATION/DAMAGE, EYE BURNS,
SKIN BURNS, GASTROINTESTINAL IRRITATION/DAMAGE, KIDNEY DAMAGE.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL
ATTENTION IF SYMPTOMS PERSIST. EYES: WASH OUT IMMEDIATELY WITH
WATER. GET MEDICAL ATT

ENTION IF SYMPTOMS OCCUR. SKIN: IMMEDIATELY
REMOVE CONTAMINATED CLOTHING AND WASH WITH SOAP AND PLENTY OF
WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION: DO NOT
INDUCE VOMITING. GIVE A GLASS OF WATER. GET MEDICAL ATTENTION
IMMEDIATELY.

===== Fire Fighting Measures =====

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING
FIRE.

Fire Fighting Pr

cedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE
PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS. SOLUTION CONTAINS A
STRONG OXIDIZER.

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

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER IF
ALLOWABLE. OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT
MATERIAL, THE

PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN
SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT BREATHE MIST OR VAPOR. DO NOT
GET IN EYES, ON SKIN, ON CLOTHING. USE ONLY WITH ADEQUATE
VENTILATION. WASH THOROUGHLY AFTER HANDLING.

Other Precautions:LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. DESTROY
OR THOROUGHLY CLEAN
CONTAMINATED SHOES. KEEP CONTAINER CLOSED. KEEP
AWAY FROM INCOMPATIBLE SUBSTANCES.

===== 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: ACID GAS.

Ventilation:USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER
ENGINEERING CONTROLS TO MAINTAIN LEVELS BELOW TLVS.

Protective Gloves:

IMPERVIOUS

Eye Protection:SAFETY GLASSES OR GOGGLES & FACE SHIELD

Other Protective Equipment:WASHING FACILITIES, AN EMERGENCY EYE WASH STATION AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

PRODUCT IS EXPECTED TO HAVE NO BIOCHEMICAL OXYGEN DEMAND AND NO POTENTIAL TO CAUSE OXYGEN DEPLETION IN AQUEOUS SYSTEMS, A HIGH POTENTIAL TO AFFECT SOME AQUATIC ORGANIS

MS, A HIGH TO AFFECT

SECONDARY WASTE TREATMENT MICROBIAL METABOLISM. DILUTED AND TREATED, IT IS NOT EXPECTED TO HAVE A SIGNIFICANT IMPACT.

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

HCC:C1

Boiling Pt:B.P. Text:>212F,>100C

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

Vapor Pres:18

Vapor Density:0.6

Spec Gravity:1.262

pH:1.0

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

Appearance and Odor:ORANGE LIQUID, SLIGHT ACRID ODOR

Percent Volatiles by

Volume:99 %

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

Stability Indicator/Materials to Avoid:YES

REDUCING AGENTS, BASES, COMBUSTIBLE MATERIALS

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:SULFUR DIOXIDE

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN

ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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 manner 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.