

EASTMAN KODAK COMPANY -- 165 1900 INDUSTREX DEVELOPER REPLENISHER, WORKING SOLUTION -- 6750-01-085-1762

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

Product ID:165 1900 INDUSTREX DEVELOPER REPLENISHER, WORKING SOLUTION

MSDS Date:11/18/1992

FSC:6750

NIIN:01-085-1762

MSDS Number: BVFYS

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650-11

15

Country:US

Info Phone Num:716-477-3194

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

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 85-90%

Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM

SULFITE
CAS:10117-38-1
RTECS #:WT3530000
Fraction by Wt: 5-10%
Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROQUINONE (SARA III)
CAS:123-31-9
RTECS #:MX3500000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ACETIC ACID,POTASSIUM SALT/POTASSIUM ACETATE
CAS:127-08-2
RTECS #:AJ3325000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:GLUTARALDEHYDE
CAS:111-30-8
RTECS #:MA2450000
F
raction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 0.2 PPM
ACGIH TLV:C 0.2 PPM; 9394

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE:CAUSES IRRITATION. SKIN:CAUSES
IRRITATION. MAY CAUSE ALLERGIC REACTION. INHALED:EXPECTED TO BE A
LOW HAZARD FOR RECOMMENDED HANDLING. HOWEVER GLUTERALDEHYDE IS A
RESPIRATORY
IRRITANT AND MAY AGGRA VATE ASMATIC DISORDERS.
INGESTED:EXPECTED TO BE A LOW INGESTION HAZARD.
Explanation of Carcinogenicity:MFR LISTED NO INFORMATION ABOUT THE
CARCINOGENICITY OF THIS MATERIAL. HMIS DOES NOT EXPECT IT TO BE
CARCINOGENIC.
Effects of Overexposure:EYE:IRRITATION. SKIN:IRRITATION. MAY CAUSE
ALLERGIC REACTION. INHALED:EXPECTED TO BE A LOW HAZARD FOR
RECOMMENDED HANDLING. MAY AGGRAVATE ASMATIC DISORDERS.
INGESTED:EXPECTED TO BE A LOW INGESTION HAZ ARD.

Medic

al Cond Aggravated by Exposure:PRE-EXISTING ASTHMATIC DISORDERS.

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

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. GET IMMEDIATE MEDICAL ATTENTION. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. GET MEDICAL CARE FOR ANY SKIN REACTION. I NHALED:REMOVE TO FRESH AIR. IF SYMPTOMSPERSIST, GET MEDICAL CARE. INGESTED:DRINK 1-2 GLASSES OF WATER AND GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NONE
Extinguishing Media:NOT RELEVANT
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER.
Neutralizing Agent:NO
INFORMATION GIVEN BY MFR ON MSDS.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED.KEEP AWAY FROM INCOMPATIBLE SUBSTANCES.AVOID CONTACT W/EYES, SKIN, AND CLOTHING USE WITH ADEQUATEVENTILATION.
Other Precautions:WASH THOROUGHLY AFTER HANDLING. USE NONALKALINE (ACID) TYPE HAND CLEANER,REGULAR CLEANING OF WORKING SURFACES,GLOVES ETC, WILL HELP MINIMIZE THE POSSIBILITY OF SKIN REACTION. NO SPECIAL PRECAUTIONS SHOULD BE NEEDED UNDER NORMAL CONDITIONS.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, AN APPROVED ORGANIC VAPOR RESPIRATOR MUST BE WORN. IF RESPIRATORS ARE WORN, COMPLY WITH OSHA STANDARD 29CFR1910.134.
Ventilation:USE PROCESS ENCLOSURES, LOCAL EXHAUST OR OTHER ENGINEERING CONTROLS TO MAINTAIN EXPOSURE BELOW RECOM

MENDED LIMITS.

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES

Other Protective Equipment:WEAR PROTECTIVE CLOTHING APPROPRIATE FOR THE RISK OF EXPOSURE. EYE BATH, WASHING FACILITIES & SAFETY SHOWER.

Work Hygienic Practices:MFR: ? HMIS:USE STRICT CHEMICAL HYGIENE

PRACTICE. AVOID UNNECESSARY EXPOSURE. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

THIS MSDS COVERS THE 200 GALLONS OF WORKING SOLUTION MADE FROM P/N IN D

A.

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

HCC:N1

NRC/State Lic Num:NONE

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

Vapor Pres:18 MM

Vapor Density:0.6

Spec Gravity:1.09

pH:10.4

Solubility in Water:COMPLETE

Appearance and Odor:YELLOW ORANGE LIQUID, SLIGHT ODOR

Percent Volatiles by Volume:85

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Stability Condition to Avoid:HIGH TEMPERATURES AND FLAME

S

Hazardous Decomposition Products:SULFUR DIOXIDE

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE OR LOCAL LAWS. FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United Sta

tes 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.