

EASTMAN KODAK COMPANY -- 825 0425;POLYMAX RT DEVELOPER AND REPLENISHER;  
CONCENTRATE -- 6750-01-388-7727

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

Product ID:825 0425;POLYMAX RT DEVELOPER AND REPLENISHER; CONCENTRATE

MSDS Date:11/15/1995

FSC:6750

NIIN:01-388-7727

MSDS Number: BYVYR

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Count

ry:US

Info Phone Num:716-722-5151

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

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

===== Composition/Information

on Ingredients =====

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 70-75% %  
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:SODIUM SULFITE  
CAS:7757-83-7  
RTECS #:WE2150000  
Fraction by Wt: 5-10% %  
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM CARBONATE  
CAS:584-08-7  
RTECS #:TS7750000  
Fraction by Wt: 5-10% %  
Other REC Limits:NONE RECOMMEND  
ED

Ingred Name:HYDROQUINONE (SARA 302/313) (CERCLA)  
CAS:123-31-9  
RTECS #:MX3500000  
Fraction by Wt: 3% %  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9495  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:PENIETIC ACID, PENTA SODIUM SALT  
CAS:140-01-2  
Fraction by Wt: 1-5% %  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV FOR HYDROQUINONE IS 2MG/M3 TWA  
Routes of Entry: Inhalation:YES Skin:YES Ing

estion:NO

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

Health Hazards Acute and Chronic:EXPECTED TO BE A LOW INHALATION HAZARD FOR RECOMMENDED HANDLING. EYE CONTACT CAUSES IRRITATION. SKIN CONTACT CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. EXPECTED TO BE A LOW INGESTION HAZARD.

Explanation of Carcinogenicity:HYDROQUINONE IS LISTED BY IARC AND NTP AS NOT HAVING SUFFICIENT EVIDENCE OF CARCINOGENICITY.

Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION, ALLERGIC SKIN REACTIONS.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.GET MEDICAL ATTENTION. INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. INGEST :DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE 1-2 GLASSES OF WATER.

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

Flash Point:NONE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS.

=====  
===== 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, THEN 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:AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE WITH ADEQUATE

E VENTILATION. KEEP CONTAINER CLOSED.

KEEP AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:THE ROUTINE USE OF A NONALKALINE (ACID) TYPE OF HAND CLEANER AND REGULAR CLEANING OF WORKING SURFACES WILL HELP MINIMIZE THE POSSIBILITY OF A SKIN REACTION.

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

Respiratory Protection:NOT NEEDED IN NORMAL SERVICE.

Ventilation:USE GENERAL DILUTION VENTILATION.MFR RECOMMENDS 10 AIR CHANGES/HOUR.

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:B3

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

Vapor Pres:18

Vapor Density:

0.6

Spec Gravity:1.24

pH:11.0

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

Appearance and Odor:LIGHT TAN LIQUID, NO ODOR.

Percent Volatiles by Volume:70-75

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:SULFUR DIOXIDE, CARBON MONOXIDE, CARBON DIOXIDE

=====  
===== Disposal Consideratio

ns =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH 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.