

140 8988 HC110 DEVELOPER CONCENTRATE

MSDS Number

BDPDM

National Stock Number

6750-00-837-7257

Product Name

140 8988 HC110 DEVELOPER CONCENTRATE

Manufacturer

EASTMAN KODAK COMPANY

Product Identification

Product ID:140 8988 HC110 DEVELOPER CONCENTRATE

MSDS Date:02/17/1993

FSC:6750

NIIN:00-837-7257

MSDS Number: BDPDM

Responsible Party

EASTMAN KODAK COMPANY

343 STATE STREET

ROCHESTER , NY 14650

US

Emergency Phone: 716-722-5151

Info Phone: 716-722-5151

Cage: 19139

Contractor

EASTMAN KODAK CO GOVERNMENT MARKETS CONTRACTS

ROCHESTER, NY 14650-1115

US

716-722-5151/(800) 242-2424

Cage: 19139

Ingredients

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 15-20%

DIETHANOLAMINE-SULFUR DIOXIDE COMPLEX

CAS: 63149-47-3

Fraction By Weight: 50-55%

HYDROQUINONE (SARA III)

CAS: 123-31-9

RTECS: MX3500000

Fraction By Weight: 9%

OSHA PEL2 MG/M3

ACGIH TLV: 2 MG/M3; 9394

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

DIETHYLENE GLYCOL

CAS: 111-46-6

RTECS: ID5950000

Fraction By Weight: 8%

2-AMINOETHANOL

CAS: 141-43-5

RTECS: KJ5775000

Fraction By Weight: 5-10%

OSHA PEL3 PPM/6 STEL

ACGIH TLV: 3 PPM/6 STEL; 9394

DIETHANOLAMINE (SARA III)

CAS: 111-42-2

RTECS: KL2975000

Fraction By Weight: 3%

OSHA PEL3 PPM

ACGIH TLV: 3 PPM; 9394

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

ETHYLENE GLYCOL (SARA III)

CAS: 107-21-1

RTECS: KW2975000

Fraction By Weight: 1%

OSHA PELC 50 PPM

ACGIH TLV: C 50 PPM,VAPOR; 9394

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT) > 3200 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:EYES: CAUSES IRRITATION. SKIN: CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. INHALATION: MAY CAUSE IRRITATION TO THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION, ALLERGIC SKIN REACTION, MUCOUS MEMBRANE IRRITATION, UPPER RESPIRATORY TRACT IRRITATION, IRRITATION OF GI TRACT.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES: WASH OUT IMMEDIATELY WITH WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. SKIN: IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND WASH WITH SOAP AND PLENTY OF WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION: INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONAL. GET MEDICAL ATTENTION.

Fire Fighting

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM

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

Unusual Fire/Explosion Hazard:TO PREVENT FIRE AND EXPLOSION, KEEP PRODUCT FROM CONTACT WITH OXIDIZING MATERIALS.

Accidental Release

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED. TO PREVENT FIRE AND EXPLOSION, KEEP FROM CONTACT WITH OXIDIZING MATERIALS. WASH AFTER HANDLING. USE WITH ADEQUATE VENTILATION.

Other Precautions:LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. DESTROY OR THOROUGHLY CLEAN CONTAMINATED SHOES. ROUTINE USE OF A NON-ALKALINE HAND CLEANER WILL HELP PREVENT ALLERGIC SKIN REACTION.

Exposure Controls

Respiratory Protection:NOT NORMALLY REQUIRED.

Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. RATES SHOULD MATCH CONDITIONS.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES OR GOGGLES

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 A LOW BIOCHEMICAL OXYGEN DEMAND AND LITTLE POTENTIAL TO CAUSE OXYGEN DEPLETION IN AQUEOUS SYSTEMS, A HIGH POTENTIAL TO AFFECT SOME AQUATIC ORGANISMS, A HIGH POTENTIAL TO AFFECT SECONDARY WASTE TREATMENT MICROBIAL METABOLISM. DILUTED & TREATED, IT IS NOT EXPECTED TO HAVE A SIGNIFICANT IMPACT.

Chemical Properties

HCC:T6

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

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

Vapor Pres:11

Vapor Density:2.1

Spec Gravity:1.24

pH:9.0

Evaporation Rate & Reference:0.4 (N-BUTYL ACETATE = 1)

Solubility in Water:COMPLETE

Appearance and Odor:BROWN LIQUID, AMINE ODOR

Percent Volatiles by Volume:65-70%

Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:AMMONIA, CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN, OXIDES OF SULFUR.

Disposal

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.

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