

140 8962 HC-110 DEVELOPER

MSDS Number

BCBXF

National Stock Number

6750-00K000970

Product Name

140 8962 HC-110 DEVELOPER

Manufacturer

EASTMAN KODAK COMPANY

Product Identification

Product ID:140 8962 HC-110 DEVELOPER

MSDS Date:06/14/1989

FSC:6750

NIIN:00K000970

MSDS Number: BCBXF

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

DIETHANOLAMINE-SULFUR DIOXIDE COMPLEX

CAS: 63149-47-3

Fraction By Weight: 40-45%

ETHANOLAMINE

CAS: 141-43-5

RTECS: KJ5775000

Fraction By Weight: 5-10%

OSHA PEL3 PPM/6 STEL

ACGIH TLV: 3 PPM/6 STEL; 9192

DIETHYLENE GLYCOL

CAS: 111-46-6

RTECS: ID5950000

Fraction By Weight: 5-10%

HYDROQUINONE (SARA III)

CAS: 123-31-9

RTECS: MX3500000

Fraction By Weight: 8%

OSHA PEL2 MG/M3

ACGIH TLV: 2 MG/M3; 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 60-65%

Hazards

LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT ESTABLISHED.

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

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

Health Hazards Acute and Chronic:ACUTE: INHALATION:RESPIRATORY TRACT IRRITATION. EYES: CAUSES IRRITATION. SKIN: CAUSES IRRITATION. CAN CAUSE AN ALLERGIC SKIN REACTION. INGESTION: MAY CAUSE BURNS OF THE ESOPHAGUS AND STOMACH. ALSO ABD OMINAL PAIN, VOMITING, DIARRHEA & SHOCKMAY OCCUR.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:INHALATION:IRRITATION. EYES/SKIN:CAUSES IRRITATION. CAN CAUSE AN ALLERGIC SKIN REACTION. INGESTION:MAY CAUSE BURNS OF THE ESOPHAGUS AND STOMACH. ALSO ABDOMINAL PAIN, VOMITING, DIARRHEA & SHOCK MAY OCC UR.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE SKIN MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid

First Aid:EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET IMMEDIATE MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING AND SHOES. WASH SKIN WITH SOAP AND WATER. GET MEDICAL ATTENTION. INGESTION:INDUCE VOMITINGAT ONCE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IMMEDIATELY GIVE ONE GLASS OF MILK OR WATER. CALL A PHYSICIAN AT ONCE. NOTE: ALKALINE SOLUTION. TREAT ACCORDINGLY

Fire Fighting

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL AS APPROPRIATE FOR SURROUNDINGS.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

Accidental Release

Spill Release Procedures:REMOVE RESIDUE WITH LARGE AMOUNTS OF WATER BY FLUSHING TO AN ACID-FREE SEWER. DISCHARGE MAY BE GOVERNED BY LOCAL

LAW.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE AND AWAY FROM ACIDS. KEEP FROM CONTACT WITH OXIDIZING MATERIALS. PROTECT CONTAINERS FROM DAMAGE.

Other Precautions:AVOID CONTACT WITH EYES. WASH THOROUGHLY AFTER HANDLING. USE OF NON-ALKALINE TYPE HAND CLEANER REDUCES RISK OF ALLERGIC SKIN REACTION.

Exposure Controls

Respiratory Protection:AN APPROPRIATE NIOSH-APPROVED RESPIRATOR FOR ORGANIC VAPOR SHOULD BE WORN IF NEEDED.
Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE.
Protective Gloves:NEOPRENE OR NATURAL RUBBER
Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.
Supplemental Safety and Health
AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES.
LAUNDER CONTAMINATED CLOTHING PRIOR TO REUSE. THIS MATERIAL IS LISTED AS PART B UNDER THIS NSN AS ITS FORMULATION IS DIFFERENT FROM PART A, THIS NSN.

Chemical Properties

HCC:B3
Boiling Pt:B.P. Text:>212F,>100C
Vapor Pres:11 MM
Vapor Density:2.1 AIR=1
Spec Gravity:1.249
pH:9.0
Solubility in Water:COMPLETE
Appearance and Odor:BROWN SOLUTION WITH AMINE ODOR
Percent Volatiles by Volume:70

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES
Hazardous Decomposition Products:COMBUSTION WILL PRODUCE CARBON DIOXIDE AND PROBABLY CARBON MONOXIDE AS WELL AS AMMONIA AND OXIDES OF SULFUR AND NITROGEN

Disposal

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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