

Material Safety Data Sheet

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SECTION I - Material Identity

Item Name..... PHOTOGRAPHIC FIXER
Part Number/Trade Name..... 146 4080 KODAFIX WORKING
SOLUTION
National Stock Number..... 6750006199943
CAGE Code..... 19139
Part Number Indicator..... A
MSDS Number..... 192061
HAZ Code..... B

SECTION II - Manufacturer's Information

Manufacturer Name..... EASTMAN KODAK CO.
City..... ROCHESTER
State..... NY
Country..... US
Zip Code..... 14650
Emergency Phone..... 585-722-5151
Information Phone..... 800-242-2424

MSDS Preparer's Information

Date MSDS Prepared/Revised..... 15NOV00
Date of Technical Review..... 25APR89
Active Indicator..... Y

Alternate Vendors

SECTION III - Physical/Chemical Characteristics

Hazard Storage Compatibility Code..... L1-N1
NRC License Number..... N/R
Net Propellant Weight (Ammo)..... N/R
Appearance/Odor..... COLORLESS LIQUIDSLIGHT AMMONIA
ODOR
Boiling Point..... >212F/100C
Vapor Pressure..... 18

Vapor Density..... 0.6
Specific Gravity..... 1.28
Evaporation Rate..... N/A
Solubility in Water..... COMPLETE
Percent Volatiles by Volume..... 90
Chemical pH..... 7.0
Container Type..... R
Container Pressure Code..... 1
Temperature Code..... 4
Product State Code..... L

SECTION IV - Fire and Explosion Hazard Data

Flash Point Method..... NA
Lower Explosion Limit..... N/R
Upper Explosion Limit..... N/R
Extinguishing Media..... WATER SPRAY, CARBON DIOXIDE
(CO2), DRY CHEMICAL, ALCOHOL
FOAM.
Special Fire Fighting Procedures..... WEAR SCBA AND PROTECTIVE
CLOTHING. FIRE OR EXCESSIVE
HEAT MAY PRODUCE HAZARDOUS
DECOMPOSITION PRODUCTS.
Unusual Fire/Explosion Hazards..... SOLUTION CONTAINS A STRONG
REDUCING AGENT. DRIED PRODUCT
RESIDUE CAN ACT AS A REDUCING
AGENT.

SECTION V - Reactivity Data

Stability..... YES
Stability Conditions to Avoid..... STABLE
Materials to Avoid..... BASES, SODIUM HYPOCHLORITE,
STRON ACIDS, STONG BASE
LIBERATES FLAMMABLE MATERIAL.
Hazardous Decomposition Products..... AMMONIA, CHLORAMINE, SULFUR
DIOXIDE.
Hazardous Polymerization..... NO
Polymerization Conditions to Avoid..... WILL NOT OCCUR

SECTION VI - Health Hazard Data

Route of Entry: Skin..... YES
Route of Entry: Ingestion..... YES
Route of Entry: Inhalation..... YES
Health Hazards - Acute and Chronic..... [INHAL] EXPECTED TO BE A LOW
HAZARD FOR RECOMMENDED

HANDLING. [EYE] CAUSES IRRITATION [SKIN] LOW HAZARD FOR RECOMMENDED HANDLING. [INGEST] EXPECTED TO BE LOW INGESTION HAZARD.

Carcinogenity: NTP..... NO
Carcinogenity: IARC..... NO
Carcinogenity: OSHA..... NO
Explanation of Carcinogenity..... NONE
Symptoms of Overexposure..... SEE ABOVE
Medical Cond. Aggravated by Exposure.... NR
Emergency/First Aid Procedures..... [INHAL] IF SYMPTOMATIC, MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. [EYE] IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MIN. GET MED ATTEN. [SKIN] WASH WITH SOAP AND WATER. GET MED ATTENTION IF SYMPTOMS OCCUR. [INGEST] DRINK 1-2 GLASSES OF WATER. SEEK MEDICAL ATTEN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION VII - Precautions for Safe Handling and Use

Steps if Material Released/Spilled..... FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER.
Neutralizing Agent..... NR
Waste Disposal Method..... DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS. FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER.
Handling and Storage Precautions..... KEEP CONTAINER CLOSED. KEEP FROM CONTACT WITH OXIDIZING MATERIALS. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.
Other Precautions..... NR

SECTION VIII - Control Measures

Respiratory Protection..... NONE SHOULD BE NEEDED
Ventilation..... GOOD GENERAL VENTILATION.
Protective Gloves..... IMPERVIOUS
Eye Protection..... SAFETY GLASSES W/ SIDE SHIELD
Other Protective Equipment..... EYE BATH, WASH FACILITIES,

SAFETY SHOWER.

Work Hygenic Practices..... NR

SECTION IX - Label Data

Protect Eye..... YES
Protect Skin..... YES
Protect Respiratory..... YES
Chronic Indicator..... NO
Contact Code..... SLIGHT
Fire Code..... UNKNOWN
Health Code..... UNKNOWN
React Code..... UNKNOWN
Specific Hazard and Precaution..... NO TARGET ORGANS LISTED FOR
CHRONIC EXPOSURES

SECTION X - Transportation Data

Container Quantity..... 1
Unit of Measure..... GL

SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G)..... .2
Volatile Organic Compounds (G/L)..... 23.9678

SECTION XII - Ingredients/Identity Information

Ingredient #..... 01
Ingredient Name..... WATER
CAS Number..... 7732185
Proprietary..... NO
Percent..... 90
Ingredient #..... 02
Ingredient Name..... SODIUM SULPHITE
CAS Number..... 7757837
Percent..... 10
Ingredient #..... 03
Ingredient Name..... BORON SODIUM OXIDE (B4NA2O7),
PENTAHYDRATE
CAS Number..... 12179043
Percent..... 5
Ingredient #..... 04
Ingredient Name..... 1,4-BENZENEDIOL
CAS Number..... 123319

Percent..... 1
Ingredient #..... 05
Ingredient Name..... BIS(4-HYDROXY-N-
METHLANILLINIUM) SULPHATE
CAS Number..... 55550
Percent..... 1

NOTICE: For additional information, contact BIOENVIRONMENTAL/7-4551

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