

D-19 DEVELOPER,WORKING SOLUTION,KAN 354548

MSDS Number

BYZFR

National Stock Number

6750-00D004720

Product Name

D-19 DEVELOPER,WORKING SOLUTION,KAN 354548

Manufacturer

EASTMAN KODAK COMPANY

Product Identification

Product ID:D-19 DEVELOPER,WORKING SOLUTION,KAN 354548

MSDS Date:04/02/1987

FSC:6750

NIIN:00D004720

MSDS Number: BYZFR

Responsible Party

EASTMAN KODAK COMPANY

343 STATE STREET

ROCHESTER , NY 14650

US

Emergency Phone: 716-722-5151

Info Phone: 800- 242-2424

Cage: 19139

Contractor

EASTMAN KODAK CO US CUSTOMER SERVICE/GOVERNMENT SALES

ROCHESTER, NY 14650-3129

US

800-828-6203

Cage: 5K871

Ingredients

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 85 - 90%

OSHA PELNOT RELEVANT

ACGIH TLV: NOT RELEVANT

SODIUM SULFITE

CAS: 7757-83-7

RTECS: WE2150000

Fraction By Weight: 5 - 10%

SODIUM CARBONATE (MFR CAS # 5968-11-6)

CAS: 497-19-8

RTECS: VZ4050000

Fraction By Weight: 1 - 5%

HYDROQUINONE (SARA 302/313) (CERCLA)

CAS: 123-31-9

RTECS: MX3500000

Fraction By Weight:

OSHA PEL2 MG/M3

ACGIH TLV: 2 MG/M3; 9495

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

P-METHYLAMINOPHENOL SULFATE (METOL)

CAS: 55-55-1

RTECS: SL8650000

Fraction By Weight:

Hazards

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN. ACUTE-EYES:MAY CAUSE IRRITATION. SKIN:MAY CAUSE IRRITATION AND ALLERGIC SKIN REACTION. INHALATION:LOW HAZARD FOR RECOMMENDED HANDLING. ORAL:EXPECTED TO BE A LOW INGESTION HAZARD. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, ALLERGIC SKIN REACTION

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS FROM EXPOSURE TO THIS PRODUCT.

First Aid

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN. INHALED:REMOVE TO FRESH AIR. ORAL:IF CONSCIOUS, DRINK 1-2 GLASSES OF WATER. SEEK MEDICAL ATTENTION.

Fire Fighting

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED.

Unusual Fire/Explosion Hazard:MAY FORM HAZARDOUS DECOMPOSITION PRODUCTS.

Accidental Release

Spill Release Procedures:FLUSH SPILL TO SEWER WITH LARGE AMOUNT OF WATER IF REGULATIONS ALLOW OR ABSORB SPILL WITH VERMICULITE. PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent:NOT RELEVANT

Handling

Handling and Storage Precautions:KEEP CONTAINER CLOSED. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. THE ROUTINE USE OF A NONALKALINE (ACID) TYPE OF HAND CLEANER AND REGULAR CLEANING OF WORKING SURFACES WILL MINIMIZE SKIN REACTION.

Exposure Controls

Respiratory Protection:NONE SHOULD BE NEEDED.

Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES/HR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS

Protective Gloves:RUBBER/LATEX

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS/GOGGLES

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

ECOLOGICAL INFORMATION: A MODERATELY ALKALINE AQUEOUS SOLUTION. AFTER DILUTION WITH LARGE AMOUNT OF WATER, FOLLOWED BY SECONDARY WASTE TREATMENT, THIS MATERIAL IS NOT EXPECTED TO CAUSE ADVERSE ENVIRONMENTAL EFFECTS.

Chemical Properties

HCC:B3

NRC/State Lic Num:NOT RELEVANT

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

Vapor Pres:18 @ 68F

Vapor Density:0.6

Spec Gravity:1.133

pH:10

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR LIQUID - ODORLESS

Percent Volatiles by Volume:90

Stability

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:OXIDES OF SULFUR

Disposal

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

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