

## **146 4932 DK-50 DEVELOPER, WORKING SOLUTION**

### **MSDS Number**

BSDFD

### **National Stock Number**

6750-00-266-7627

### **Product Name**

146 4932 DK-50 DEVELOPER, WORKING SOLUTION

### **Manufacturer**

EASTMAN KODAK COMPANY

### **Product Identification**

Product ID:146 4932 DK-50 DEVELOPER, WORKING SOLUTION

MSDS Date:02/25/1998

FSC:6750

NIIN:00-266-7627

Kit Part:Y

MSDS Number: BSDFD

### **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 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: 95 - 99%

OSHA PELNOT RELEVANT

ACGIH TLV: NOT RELEVANT

SODIUM SULFITE

CAS: 7757-83-7

RTECS: WE2150000

Fraction By Weight: 1 - 5%

## SODIUM METABORATE

CAS: 7775-19-1

RTECS: ED4640000

Fraction By Weight:

## HYDROQUINONE (SARA III)

CAS: 123-31-9

RTECS: MX3500000

Fraction By Weight:

OSHA PEL2 MG/M3

ACGIH TLV: 2 MG/M3; 9394

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

## 4-(METHYLAMINO)PHENOL SULFATE

CAS: 55-55-1

RTECS: SL8650000

Fraction By Weight:

## Hazards

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.

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:EYE, SKIN. ACUTE-

WARNING! CONTAINS HYDROQUINONE. CAUSES EYES AND SKIN IRRITATION.

MAY CAUSE ALLERGIC SKIN REACTION. ORAL:EXPECTED TO BE A LOW

INGESTION HAZARD. INHALATION: EXPECTED TO B E A LOW HAZARD FOR

RECOMMENDED HANDLING. CHRONIC- UNKNOWN.

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

Effects of Overexposure:IRRITATION, ALLERGIC SKIN REACTIONS

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

## First Aid

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:FLUSH WITH PLENTY OF WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. ORAL: DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK 1-2 GLASS OF WATER. CALL A PHYSICIAN.

## Fire Fighting

Flash Point:NONE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

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 FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE PRESENT.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

## Accidental Release

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER IF PERMITTED OR ABSORB SPILL WITH VERMICULITE, 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. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:CAUTION! CONTAINS HYDROQUINONE. AVOID BREATHING VAPORS OR MISTS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING. USE WITH ADEQUATE VENTILATION.

## Exposure Controls

Respiratory Protection:NONE SHOULD BE NEEDED.

Ventilation:GOOD GENERAL VENTILATION IS SUFFICIENT FOR MOST CONDITIONS (10 ROOM VOLUMES PER HOUR).

Protective Gloves:NITRILE OR NEOPRENE RUBBER

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  
THIS IS WORKING SOLUTION.

## Chemical Properties

HCC:B3

NRC/State Lic Num:NOT RELEVANT

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

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

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:18 @ 68F

Vapor Density:0.6

Spec Gravity:1.03

pH:9.5

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS LIQUID; ODORLESS

Percent Volatiles by Volume:95- 99

## Stability

Stability Indicator/Materials to Avoid:YES

NONE WITH COMMON MATERIALS AND CONTAMINANTS WITH WHICH THE MATERIAL MAY REASONABLY COME INTO CONTACT.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

## Disposal

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

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