

EASTMAN KODAK COMPANY -- 146 4924, PT B, KODAK DK-50 DEVELOPER (SEE SUPPL) --
6750-00-153-8909

===== Product Identification =====

Product ID:146 4924, PT B, KODAK DK-50 DEVELOPER (SEE SUPPL)

MSDS Date:02/24/2001

FSC:6750

NIIN:00-153-8909

Status Code:A

Kit Part:Y

MSDS Number: CLHCR

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:1465

0

Country:US

Info Phone Num:716-722-5151

Emergency Phone Num:716-722-5151

Preparer's Name:NOT PROVIDED

CAGE:19139

=== Contractor Identification ===

Company Name:EASTMAN KODAK CO GOVERNMENT MARKETS CONTRACTS

Address:343 STATE ST

Box:City:ROCHESTER

State:NY

ZIP:14650-1115

Country:US

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

CAGE:19139

===== Composition/Information on Ingredients =====

Ingred Name:SODIUM SULFITE

CAS:7757-83-7

RTECS #:WE2150000

Minumum % Wt:75.

Maxumum % Wt:80.

Other REC

Limits:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:SODIUM METABORATE
CAS:7775-19-1
RTECS #:ED4640000
Minumum % Wt:15.
Maxumum % Wt:20.
Other REC Limits:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:POTASSIUM BROMIDE
CAS:7758-02-3
RTECS #:TS7650000
Minumum % Wt:1.
Maxumum % Wt:5.
Other REC Limits:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

===== Hazards Identification =====

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

Health Hazards Acute and Chronic:I

NHALATION: MAY BE HARMFUL IF INHALED.

AIRBORNE DUST IRRITATING. IN CONTACT WITH STRONG ACIDS OR IF HEATED, SULFITES MAY LIBERATE SULFUR DIOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO RESPIRATORY TRACT. SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING. EYES: CAUSES BURNS. AIRBORNE DUST IRRITATING. SKIN: CAUSES IRRITATION. MAY BE ABSORBED IN TOXIC AMOUNTS THROUGH DAMAGED OR ABRADED SKIN. MATERIAL HAS LOW POTENTIAL TO CAUSE ALLERGIC

SKIN

REACTIONS; CASES OF HUMAN SKIN SENSITIZATION HAVE BEEN REPORTED. INGESTION: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE BURNS OF GASTROINTESTINAL TRACT IF SWALLOWED.

Explanation of Carcinogenicity:INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC): HYDROQUINONE, GROUP 3; NOT CLASSIFIABLE. - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): HYDROQUINONE, A3; CONFIRMED ANIMAL CAR CINOGEN WITH UNKNOWN RELEVANCE TO HUMANS. - NATIONAL TOXICOLOGY PROGRAM (

NTP): NONE -

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): NONE

Effects of Overexposure:INHALATION: AIRBORNE DUST IRRITATING. IN

CONTACT WITH STRONG ACIDS OR IF HEATED, SULFITES MAY LIBERATE
SULFUR DIOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO RESPIRATORY
TRACT. EYES: CAUSES BURNS. AIRBORNE DUST IRRITATING. SKIN: CAUSES
IRRITATION. INGESTION: MAY CAUSE BURNS OF GASTROINTESTINAL TRACT IF
SWALLOWED.

Medical Cond Aggravated by Exposure:SOME ASTHMATICS, HYPERSENSITIVE OR

SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING,
WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS,
WEAKNESS AND DIARRHEA.

===== First Aid Measures =====

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. TREAT
SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES:
IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET
MEDICAL ATTENTION IMMEDIATELY. SKIN: IMMEDIATELY

FLUSH WITH PLENTY

OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED
CLOTHING AND SHOES. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. WASH
CONTAMINATED CLOTHING BEFORE REUSE. DESTROY OR THOROUGHLY CLEAN
CONTAMINATED SHOES. INGESTION: DO NOT INDUCE VOMITING. GIVE VICTIM
A GLASS OF WATER. CALL A PHYSICIAN OR POISON CONTROL CENTER
IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS
PERSON.

===== Fire Fighting Measures =====

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Flash Point:NONE

Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS
DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:NONE

===== Accidental Release Measures =====

Spill Release Procedures:AVOID GENERATION OF DUST. FLUSH TO SEWER WITH
LARGE AMOUNT OF WATER. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL

CONTAMINATION.

===== Handling and Storage =====

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES.
Other Precautions:AVOID BREATHING DUST. DO NOT GET IN EYES AND AVOID CONTACT WITH SKIN AND CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN A IRBORNE
CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, APPROVED RESPIRATOR MUST BE WORN. RESPIRATOR: N95 PARTICULATE FILTER. RESPIRATOR SHOULD BE WORN IF HA ZARDOUS DECOMPOSITION PRODUCTS LIKELY, OR HAVE BEEN RELEASED. RESPIRATOR: ACID GAS. IF RESPIRATORS USED, ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134.
Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS.
Protective G
loves:WEAR IMPERVIOUS GLOVES AND PROTECTIVE CLOTHING APPROPRIATE FOR RISK OF EXPOSURE
Eye Protection:WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) AND A FACE SHIELD.
Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES
Work Hygienic Practices:NOT PROVIDED
Supplemental Safety and Health
THIS IS A KIT. THE OTHER MSDS SERIAL NUMBER: CLHCQ. USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.

===== Physical/Chemical Properties =====

HCC:T6
NRC/State Lic Num:NOT RELEVANT
Melt/Freeze Pt:M.P/F.P Text:NOT AVAILABLE
Decomp Temp:Decomp Text:NOT PROVIDED
Vapor Pres:NEGLIGIBLE
Spec Gravity:>1.00
Viscosity:NOT RELEVANT
Evaporation Rate & Reference:NOT RELEVANT
Solubility in Water:COMPLETE
Appearance and Odor:LIGHT YELLOW SOLID. ODORLESS.
Percent Volatiles by Volume:NEGLIGIBLE
Corrosion Rate:NOT PROVIDED

===== Stability

and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES
STRONG ACIDS
Stability Condition to Avoid: NOT PROVIDED
Hazardous Decomposition Products: SULFUR DIOXIDE

===== Toxicological Information =====

Toxicological Information: CONTAINS: SODIUM METABORATE. BASED ON REPEATED-DOSE INGESTION STUDIES IN ANIMALS, MAY CAUSE ADVERSE REPRODUCTIVE AND DEVELOPMENTAL EFFECTS. HOWEVER, THE DOSES ADMINISTERED WERE MANY TIMES THOSE TO WHICH HUMANS WOULD NORMALLY BE EXPOSED.

===== Ecological Information =====

Ecological: THE FOLLOWING PROPERTIES ARE ESTIMATED FROM THE COMPONENTS OF THE PREPARATIONS. POTENTIAL TOXICITY: FISH LC50 MG/L: >100. DAPHNID EC50 MG/L: 10-100. ALGAL IC50 MG/L: NOT AVAILABLE. ORGANICS REA DILY DEGRADABLE (>70%): NOT APPLICABLE. POTENTIAL BIOACCUMULATION: LOG POW 100.

===== Disposal Considerations =====

Waste
Disposal Methods: DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. FLUSH TO SEWER WITH LARGE AMOUNT OF WATER.

===== MSDS Transport Information =====

Transport Information: FOR TRANSPORTATION INFORMATION REGARDING THIS PRODUCT CALL THE KODAK WORLDWIDE TRANSPORTATION HAZMAT HOT LINE: (716) 722-2400 BETWEEN 8 A.M. AND 5 P.M. (EASTERN STANDARD TIME), MONDAY THROUGH FRIDAY.

===== Regulatory Information =====

SARA Title III Information: CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OR TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372: NONE.
Federal Regulatory Information: NOT PROVIDED
State Regulatory Information: MATERIAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: N

ONE - MATERIAL(S) KNOWN TO THE STATE
OF CALIFORNIA TO CAUSE ADVERSE REPRODUCTIVE EFFECTS: NONE

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):
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assume responsibility for the suitability of this information to their
particular situation.