

EASTMAN KODAK COMPANY -- 146 4593 D-19 DEVELOPER,CONCENTRATE -- 6750-00-153-8907
===== Product Identification =====

Product ID:146 4593 D-19 DEVELOPER,CONCENTRATE

MSDS Date:11/29/1995

FSC:6750

NIIN:00-153-8907

MSDS Number: BTZVN

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Info Phone Num:800-242-2424

Emergency P

hone Num:716-722-5151

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

Company Name:EASTMAN KODAK CO US CUSTOMER SERVICE/GOVERNMENT SALES

Address:800 LEE RD

Box:City:ROCHESTER

State:NY

ZIP:14650-3129

Country:US

Phone:800-828-6203

CAGE:5K871

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

Ingred Name:S

ODIUM SULFITE
CAS:7757-83-7
RTECS #:WE2150000
Fraction by Wt: 55 - 60%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM CARBONATE,MONOHYDRATE
CAS:5968-11-6
Fraction by Wt: 30 - 35%
Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROQUINONE (SARA 302/313) (CERCLA)
CAS:123-31-9
RTECS #:MX3500000
Fraction by Wt: 5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:P-METHYLAMINOPHENOL SULFATE (METOL)
CAS:55-55-1
RTECS #:SL
8650000
Fraction by Wt: 1 - 5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM BROMIDE
CAS:7758-02-3
RTECS #:TS7650000
Fraction by Wt: 1 - 5%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 500-5000 MG/KG.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, ALLERGIC S

KIN REACTION, NAUSEA,
VOMITING, TEARING

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING SKIN
DISORDERS OR SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY BE
MORE SUCCEPTIBLE TO THE EFFECTS FROM EXPOSURE TO THIS PRODUCT.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:FLUSH WITH
WATER & WASH WITH A NON-ALKALINE TYPE SKIN CLEANER. EYE:FLUSH WITH
WATER FOR 15 MINUTES. HOLD EYELID
S OPEN. INHALED:REMOVE TO FRESH
AIR. ORAL :IF CONSCIOUS, INDUCE VOMITING IMMEDIATELY AS DIRECTED BY
MEDICAL PERSONNEL. CALL A PHYSICIAN/POISON CONTROL CENTER
IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONE
Lower Limits:NOT RELEVANT
Upper Limits:NOT RELEVANT
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL
FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FI
RE 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:NONE

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

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNT OF WATER IF
PERMITTED. OTHERWISE, SWEEP UP AND PLACE IN A CONTAINER FOR
CHEMICAL WASTE. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL
CONTA
MINATION. AVOID RAISING DUST.
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE AWAY FROM STRONG ACIDS. 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 MI

NIMIZE SKIN REACTION.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCETABLE LEVEL, A NIOSH-APPROVED RESPIRATOR FOR DUST MUST BE WORN. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE INSTITUTED TO ASS URE COMPLIANCE WITH OSHA 29CFR 1910.134.

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

Protective Gloves:RUBBER/LATEX

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS/GOGGLES

Other Protective Equipment:EYE BATH, WASHING FACILITIES, SAFETY SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

FORMULA/ % CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A/B, SAME NSN. SEE PNI W FOR WORKING SOLUTION. ECOLOGICAL INFORMATI

ON:A HIGH

BIOCHEMICAL OXYGEN DEMAND, A HIGH POTENTIAL TO AFFECT SOME AQUATIC O RGANISMS. AFTER DILUTION WITH WATER, FOLLOWED BY WASTE TREATMENT, IT IS NOT EXPECTED TO CAUSE ADVERSE ENVIRONMENT EFFECT

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:APPRECIABLE

Appearance and Odor:WHITE SOLID - ODORLESS

===== Stability and R
eactivity Data =====

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:SULFUR DIOXIDE, CARBON MONOXIDE,
CARBON DIOXIDE MAY BE FORMED.

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

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

Disclaimer (provided with this inform

ation by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.