

EASTMAN KODAK CO. -- 186 2176,EKTPRNT 2 BLEACH-FIX, PART B -- 6750-01-214-4621

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

Product ID:186 2176,EKTPRNT 2 BLEACH-FIX, PART B

MSDS Date:08/01/1988

FSC:6750

NIIN:01-214-4621

Kit Part:Y

MSDS Number: BGQSL

=== Responsible Party ===

Company Name:EASTMAN KODAK CO.

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Info Phone Num:716-722-5151

Emerg

ency Phone 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

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

Ingred Name:AMMONIUM FERRIC ETHLYENEDIAMINETETRAACETIC ACID

CAS:21265-50-9

Fraction by Wt: 40-45%

Ingred Name:AMMONIA (SARA III)

CAS:7664-41-7

RTECS #:BO0875000

Fraction by Wt

: 6%  
OSHA PEL:50 PPM  
ACGIH TLV:25 PPM/35 STEL; 9293  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:ETHYLENEDIAMINE-TETRAACETIC ACID (EDTA) (SARA III)  
CAS:60-00-4  
RTECS #:AH4025000  
Fraction by Wt: 1-5%  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 45-55%

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

LD50 LC50 Mixture:LD50 ORL RAT:0.5 - 5.0 G/KG  
Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES  
Repor  
ts of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:MFR GIVES NO HEALTH HAZARDS EXCEPT  
THAT OF EYE IRRITATION.  
Explanation of Carcinogenicity:PRODUCT IS NOT LISTED AS A CARCINOGEN BY  
IARC, NTP, OSHA.  
Effects of Overexposure:EYE IRRITATION. POSSIBLE SKIN,RESPIRATORY OR  
G/I IRRITATION.  
Medical Cond Aggravated by Exposure:NONE

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

First Aid:MFR GIVES ONLY SKELETAL FIRST AID. FROM HMIS:EYE:FL  
USH  
W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER.  
REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE.  
INHALED:REMOVE TO FRESH AI R. INGESTED:DO NOT INDUCE VOMITING.  
GIVE 2 LARGE GLASSES OF MILK OR WATER AND GET IMMEDIATE MEDICAL  
CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION  
PERSISTS OR IS SEVERE,SEE A DOCTOR.

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

Flash Point:NONE  
Extinguishing Media:USE EXTINGUISHING MEDI

A SUITABLE FOR SURROUNDING  
FIRES.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE  
PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:EVACUATE UNPROTECTED PERSONS,PROVIDE  
VENTILATION, SAFE  
TY EQUIPMENTS IF NECESSARY.DIKE LARGE SPILL & PUMP  
INTO COVERED CONTNRS;ABSORB SM SPILL W/ABSORBING MATL & PLACE IN  
SAME CONTNR;MFR SUGGESTS FLUSH DOWN TO SEWER W/LG AMT OF H\*2O IAW  
EXISTING REGS.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED  
AREA.KEEP CONTNRS TIGHTLY CLOSED.PROTECT CONTNRS FROM PHYSICAL  
DAMAGE.

Other Precautions:AVOID PROLONGED AND REPEATED SKI  
N CONTACT WITH  
PRODUCT. REMOVE & WASH CONTAMINATED CLOTHING. WASH HANDS AFTER USE.

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

Respiratory Protection:NONE NORMALLY NECESSARY. USE NIOSH/MSHA  
RESPIRATOR FOR ALKALINE FUMES IF EXPOSED ABOVE THE TLV.

Ventilation:NORMAL ROOM VENTILATION IS SUFFICIENT. USE LOCAL EXHAUST  
IF AMMONIA ODORS BECOME IRRITATING.

Protective Gloves:IMPERVIOUS/RUBR

Eye Protection:SAFETY GLASSES/GOGGLES

Other Protective Equipment:AS NECESSA  
RY TO PREVENT SKIN CONTACT

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID  
UNNECESSARY CONTACT.

Supplemental Safety and Health

ITEM HAS SEVEN PARTS IN THE KIT.THIS PART IS EKTAPRINT BLEACH-FIX, PART  
B WHICH MAY BE MARKED WITH CAT #186 5849. BUT CAT #186 2176 IS FOR  
THE KIT; THIS NSN IS DUPLICATE OF 6750-01-068-0727, SAME CAT &  
SOLUTION NO; YIELDS 1 GAL; MSDS OF CAT # 186 5849 IS USED FOR KIT.  
SOLUTION NUMBER= 3422; KEY1:N1.

===== Physical/Che

Physical Properties =====

HCC:C1

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

Vapor Pres:18 MM

Vapor Density:0.6

Spec Gravity:1.29

pH:7.0

Solubility in Water:COMPLETE

Appearance and Odor:OPAQUE;REDDISH-BROWN;AMMONIACAL ODOR

Percent Volatiles by Volume:55%

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

METALS,STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HEAT,HIGH TEMPERATURES

Hazardous Decomposition Products:CARBON DIOXIDE,

CARBON MONOXIDE,

AMMONIA, NITROGEN OXIDES

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

Waste Disposal Methods:KEEP IN COVERED CONTAINERS PENDING

DISPOSAL.DISPOSE IN FULL COMPLIANCE W/FEDERAL,STATE & LOCAL

REGS;MFR RECOMMENDS TO FLUSH DOWN TO SEWER W COPIOUS AMT H\*2O.STATE

& LOCAL EFFLUENT LAWS TAKE PRECEDENCE .

Disclaimer (provided with this information 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.