

EASTMAN KODAK COMPANY -- 146 4510, KODAK PHOTO-FLO 200 SOLUTION -- 6750-01-418-6802

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

Product ID:146 4510, KODAK PHOTO-FLO 200 SOLUTION

MSDS Date:10/12/2000

FSC:6750

NIIN:01-418-6802

MSDS Number: CLCZX

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Info Phone Num:716-477-3194 MSDS:

800-242-2424

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

Contract Num:SP0500-96-D-9413-Z304

CAGE:19139

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 60-70%

Other REC Limits:NONE

SPECIFIED

Ingred Name:PROPYLENE GLYCOL

CAS:57-55-6

RTECS #:TY2000000

Minumum % Wt:25.

Maxumum % Wt:30.

Ingred Name:P-TERT-OCTYLPHENOXY POLYETHYOXYETHYL ALCOHOL

CAS:9002-93-1

RTECS #:MD0907700

Minumum % Wt:5.

Maxumum % Wt:10.

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

LD50 LC50 Mixture:LD50 (ORAL RAT) : 5000 MG/KG

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

Health Hazards Acute and Chronic:EFFECTS OF EXPOSURE: INHALATION:

EXPECTED TO BE A LOW HAZARD FO

R RECOMMENDED HANDLING. EYES:

CAUSES IRRITATION. SKIN: PROLONGED OR REPEATED SKIN CONTACT MAY

CAUSE IRRITATION. INGESTION : EXPECTED TO BE A LOW INGESTION

HAZARD.

Explanation of Carcinogenicity:CARCINOGENICITY CLASSIFICATION

(COMPONENTS PRESENT AT 0.1% OR MORE): - INTERNATIONAL AGENCY FOR

RESEARCH ON CANCER (IARC): NONE - AMERICAN CONFERENCE OF

GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): NON E - NATIONAL

TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AN

D HEALTH

ADMINISTRATION (OSHA): NONE

Effects of Overexposure:EYES: CAUSES IRRITATION. SKIN: PROLONGED OR

REPEATED SKIN CONTACT MAY CAUSE IRRITATION.

Medical Cond Aggravated by Exposure:NOT PROVIDED

===== 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 ATT

EN TION. SKIN: WASH WITH SOAP AND WATER. GET MEDICAL
ATTENTION IF SYMPTOMS OCCUR. INGESTION: DRINK 1-2 GLASSES OF WATER.
SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN
UNCONSCIOUS PERSON.

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

Flash Point:NONE
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE (CO2), DRY CHEMICAL,
ALCOHOL FOAM
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING.
Unusual Fire/Explos
ion Hazard:NONE

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

Spill Release Procedures:FLUSH MATERIAL TO SEWER WITH LARGE AMOUNT OF
WATER.
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED.
Other Precautions:AVOID CONTACT WITH EYES AND PROLONGED OR REPEATED
CONTACT WITH SKIN. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY
AFTER HANDLING. KEEP FROM CONTAC
T WITH OXIDIZING MATERIALS.

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

Respiratory Protection:NONE SHOULD BE NEEDED.
Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER
HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO
CONDITIONS.
Protective Gloves:IMPERVIOUS GLOVES
Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES
Other Protective Equipment:EYE BATH, WASHING FACILITIES, SAFETY SHOWER.
PROTECTIVE CLOTHING APPROPRIATE FOR T
HE RISK OF EXPOSURE.
Work Hygienic Practices:IT IS A GOOD INDUSTRIAL HYGIENE PRACTICE TO
MINIMIZE SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K =
UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT
DETERMINED. N/E = NOT ESTABLISHED.

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

HCC:N1
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:>100.C, 212.F
Melt/Freeze Pt:M.P/F.

P Text:NOT PROVIDED
Decomp Temp:Decomp Text:NOT PROVIDED
Vapor Pres:(68F): 24 MBAR (18 MM HG)
Vapor Density:0.6
Spec Gravity:1.028
pH:7.0
Viscosity:NOT PROVIDED
Evaporation Rate & Reference:NOT PROVIDED
Solubility in Water:COMPLETE
Appearance and Odor:COLORLESS LIQUID, ODORLESS
Percent Volatiles by Volume:60-70 WT
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:NOT PROVIDED
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE.

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

Toxicological Information:ACUTE TOXICITY DATA: ORAL LD-50 (RAT):
5000 MG/KG SKIN IRRITATION: SLIGHT IRRITATION EYE IRRITATION:
MODERATE IRRITATION

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

Ecological:THE FOLLOWING PROPERTIES ARE ESTIMATED FROM THE COMPONENTS OF
THE PREPARATIONS. POTENTIAL
TOXICITY FISH LC50 MG/L:
10-100. DAPHNID EC50 MG/L: NOT AVAILABLE. ALGAL IC50 MG/L:
NOT AVAILABLE ORGANICS READILY DEGRADABLE (>70%):
YES (7 DAYS) POTENTIAL BIOACCUMULATION: LOG POW