

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 F  
OR 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 A  
ND 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 AT

TEN 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.

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===== 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/Explo  
sion Hazard:NONE

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

Spill Release Procedures:FLUSH MATERIAL TO SEWER WITH LARGE AMOUNT OF  
WATER.

Neutralizing Agent:NOT RELEVANT

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===== 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 CONTA  
CT WITH OXIDIZING MATERIALS.

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===== 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  
THE 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.

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===== 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