

EASTMAN KODAK COMPANY
SOLUTION

-- 146 4510, KODAK PHOTO-FLO 200

=====
MSDS Safety Information
=====

FSC: 6750
NIIN: 01-418-6802
MSDS Date: 10/12/2000
MSDS Num: CLCZX
Product ID: 146 4510, KODAK PHOTO-FLO 200 SOLUTION
MFN: 02
Responsible Party
Cage: 19139
Name: EASTMAN KODAK COMPANY
Address: 343 STATE STREET
City: ROCHESTER NY 14650
Info Phone Number: 716-477-3194 MSDS: 800-242-2424
Emergency Phone Number: 716-722-5151

=====
Item Description Information
=====

Item Manager: S9I
Item Name: WETTING AGENT
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: PT
UI Container Qty: 1
Type of Container: BOTTLE

=====
Ingredients
=====

Cas: 7732-18-5
RTECS #: ZC0110000
Name: WATER
% Wt: 60-70
Other REC Limits: NONE SPECIFIED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 57-55-6
RTECS #: TY2000000
Name: PROPYLENE GLYCOL
% low Wt: 25.
% high Wt: 30.
Other REC Limits: NOT ESTABLISHED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Cas: 9002-93-1
RTECS #: MD0907700
Name: P-TERT-OCTYLPHENOXY POLYETHYOXYETHYL ALCOHOL
% low Wt: 5.
% high Wt: 10.
Other REC Limits: NOT ESTABLISHED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
=====

Health Hazards Data

=====
LD50 LC50 Mixture: LD50 (ORAL RAT) : 5000 MG/KG
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: EFFECTS OF EXPOSURE: INHALATION: EXPECTED TO
BE A LOW
 HAZARD FOR 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 AND HEALTH ADMINISTRATION (OSHA): NONE
Signs And Symptions Of Overexposure: EYES: CAUSES IRRITATION. SKIN:
 PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION.
Medical Cond Aggravated By Exposure: NOT PROVIDED
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 ATTEN
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.

=====
Handling and Disposal

=====
Spill Release Procedures: FLUSH MATERIAL TO SEWER WITH LARGE AMOUNT OF
WATER.
Neutralizing Agent: NOT RELEVANT
Waste Disposal Methods: DISCHARGE, TREATMENT, OR DISPOSAL MAY BE
SUBJECT TO
 NATIONAL, STATE, OR LOCAL LAWS. FLUSH TO SEWER WITH LARGE AMOUNT OF
WATER.
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 CONTACT WITH OXIDIZING MATERIALS.

=====
Fire and Explosion Hazard Information

=====
Flash Point Text: 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/Explosion Hazard: NONE

Control Measures

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.

Physical/Chemical Properties

HCC: N1

NRC/State LIC No: NOT RELEVANT

Boiling Point: >100.C, 212.F

M.P/F.P Text: NOT PROVIDED

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

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: NOT PROVIDED

Materials To Avoid: STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE

Toxicological Information

Toxicological Information: ACUTE TOXICITY DATA: ORAL LD-50 (RAT): 5000

MG/KG SKIN IRRITATION: SLIGHT IRRITATION EYE IRRITATION: MODERATE

IRRITATION

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

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 <1 COD (APPROXIMATE G/L):
201. BOD5 (APPROXIMATE G/L): 377 POTENTIAL TOXICITY
WASTE

TREATMENT MICROORGANISMS EC50 (MG/L) NOT AVAILABLE :

=====
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: NONE - MATERIAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE

ADVERSE REPRODUCTIVE EFFECTS: NONE

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

Other Information: CONTAINS: P-TERT-OCTYLPHENOXY POLYETHOXYETHYL ALCOHOL

(009002-93-1) WARNING! CAUSES EYE IRRITATION PROLONGED OR REPEATED SKIN

CONTACT MAY CAUSE IRRITATION.

=====
Transportation Information
=====

Responsible Party Cage: 19139

Trans ID NO: 157068

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

MSDS Prepared Date: 10/12/2000

Review Date: 05/22/2001

MFN: 2

Net Unit Weight: 1.07 LBS

Multiple KIT Number: 0

Unit Of Issue: PT

Container QTY: 1

Type Of Container: BOTTLE

Additional Data: NOT REGULATED FOR TRANSPORTATION, PER KODAK
TRANSPORTATION

HAZARDOUS OPERATIONS RESOURCE LIST. THE VOLUME IS 16 FLUID OUNCES,
PER MSDS.

=====
Detail DOT Information
=====

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
=====

Detail IMO Information
=====

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
=====

Detail IATA Information
=====

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
=====

Detail AFI Information
=====

AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
=====

HAZCOM Label
=====

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

Cage: 19139

Company Name: EASTMAN KODAK CO GOVERNMENT MARKETS CONTRACTS

Street: 343 STATE ST

City: ROCHESTER NY

Zipcode: 14650-1115

Health Emergency Phone: 716-722-5151

Label Required IND: Y

Date Of Label Review: 05/22/2001

Status Code: A

MFG Label NO: NOT PROVIDED

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: NO

Signal Word: CAUTION

Respiratory Protection IND: NO

Health Hazard: None

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: N/P. CAUTION! MAY CAUSE EYE AND
SKIN

IRRITATION. AVOID CONTACT WITH EYES. IN CASE OF EYE CONTACT,
IMMEDIATELY

FLUSH WITH PLENTY OF WATER. GET MEDICAL ATTENTION. KEEP OUT OF REACH
OF CHI

LDREN. SEE MSDS FOR FURTHER PRECAUTIONS.
=====

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, states, or intends said information to have any application, use or

viability by or to any person or persons outside the Department of Defense

nor any person or persons contracting with any instrumentality of the United

States of America and disclaims all liability for such use. Any person

utilizing this instruction who is not a military or civilian employee of the

United States of America should seek competent professional advice to verify

and assume responsibility for the suitability of this information to their

particular situation regardless of similarity to a corresponding Department

of Defense or other government situation.