

EASTMAN KODAK COMPANY -- 185 5501 EA-5 STABILIZER AND REPLENISHER -- 6750-00-357-7422

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

Product ID:185 5501 EA-5 STABILIZER AND REPLENISHER

MSDS Date:07/17/1996

FSC:6750

NIIN:00-357-7422

MSDS Number: BDXCQ

=== 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/M

SDS 800-242-2424

Emergency 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

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

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Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 60-65%
Other REC Limits:NONE RECOMMENDED

Ingred Name:FORMALDEHYDE (SARA III)
CAS:50-00-0
RTECS #:LP8925000
Fraction by Wt: 30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1048
ACGIH TLV:C 0.3 PPM; A2; 9394
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)
CAS:67-56-1
RTECS #:PC1400000
Fraction by Wt: 10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:S,200PPM
ACGIH TLV:S,
200PPM/250STEL; 94
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT): 800 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PROLONGED OR REPEATED EXPOSURE TO
METHANOL MAY CAUSE VISUAL DISTURBANCES, METABOLIC ACIDOSIS. HARMFUL
IF INHALED. MAY CAUSE CHEST CONSTRICTION, BRONCHOPNEUMONIS,
DYSPPHAGIA, EDEMA. EYE CONTACT CAUSES SEVERE BURNS. SKIN CONTACT
CAUSE IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. POISON. MAY BE
FATAL OR CAUSE BLINDNESS.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:HEADACHE, GIDDINESS, NAUSEA, INSOMNIA, GASTRIC
DISTURBANCES, DIZZINESS, SLOW BREATHING, BLINDNESS, DEATH,
RESPIRATORY TRACT IRRITATION, CHEST CONSTRICTION

CTION, SPASMS OF LARYNX,
SEVERE EYE BURNS/IRRITATION/TEARING, SKIN IRRITATION, ALLERGIC
SKIN REACTION, SEVERE ABDOMINAL PAIN, VOMITING, DIARRHEA, COMA,
CONVULSIONS.
Medical Cond Aggravated by Exposure:EXPOSURE TO FORMALDEHYDE MAY CASE
RESPIRATORY SENSITIZATION IN SOME INDIVIDUALS OR AGGRAVATE
PRE-EXISTING ASTHMATIC CONDITIONS.

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

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL
ATTENTION IF SYMPTOMS PERSIST. EYES: WASH OUT IMMEDIATELY WITH
WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. SKIN: WASH WITH
SOAP AND WATER . GET MEDICAL ATTENTION IF SYMPTOMS OCCUR.
INGESTION: DO NOT INDUCE VOMITING. GIVE A GLASS OF WATER. NEVER
GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN
OF POISON CONTROL ASAP.

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

Flash Point:125F,52C
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL
FOAM
Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED
BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND
CONTAINERS EXPOSED TO FIRE WITH WATER.
Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS. MATERIAL CONTAINS A COMBUSTIBLE
SOLVENT THAT MAY ACCUMULATE IN CONTAINER HEADSPACE.

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

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Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. ABSORB SPILL
WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER
FOR CHEMICAL WASTE. CLEAN SURFACE TO REMOVE RESIDUAL CONTAMINATION.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT BREATHE VAPOR AT CONCENTRATIONS
GREATER THAN EXPOSURE LIMITS. DO NOT GET IN EYES, ON SKIN, ON
CLOTHING. USE ONLY

WITH ADEQUATE VENTILATION.

Other Precautions:KEEP AWAY FROM HEAT AND FLAME. KEEP FROM CONTACT WITH
OXIDIZING MATERIALS. KEEP CONTAINER TIGHTLY CLOSED. KEEP AWAY FROM
FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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

Respiratory Protection:IF FORMALDEHYDE IS EMITTED AT LEVELS REQUIRING
RESPIRATORY PROTECTION, A FULL FACEPIECE WITH CARTRIDGES OR
CANISTERS SPECIFICALLY APPROCED BY NIOSH FOR PROTECTION AGAINST
FORMALDEHY

DE OR A TYPE-C AIR- SUPPLIED RESPIRATOR DEMAND TYPE.

Ventilation:GOOD GENERAL VENTILATION, TYPICALLY 10 AIR CHANGES PER
HOUR, SHOULD BE USED. RATES SHOULD MATCH CONDITIONS.

Protective Gloves:NEOPRENE, NITRILE

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO
PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE
AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER
BEFORE

EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

OSHA STANDARD 29CFR 1910.1048 SHOULD BE CONSULTED FOR SPECIFIC DETAILS
REGARDING RESPIRATORY, SKIN AND EYE PROTECTION AGAINST
FORMALDEHYDE. THE STANDARD ALSO PROVIDES FOR ESTABLISHING REGULATED
AREAS, RESPIRATORY PROTECTION PROGRAMS, HOUSEKEEPING, MEDICAL
SURVEILLANCE, RECORDKEEPING AND EMPLOYEE INFORMATION.

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

HCC:F6

Boiling Pt

:B.P. Text:>212F,>100C

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:18

Vapor Density:0.6

Spec Gravity:1.07

pH:3.3

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS LIQUID, FORMALDEHYDE ODOR

Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG BASES.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACT

URER.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
FORMALDEHYDE.

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

Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT
TO NATIONAL, STATE OR LOCAL LAWS. MAY REQUIRE NEUTRALIZATION IF PH
< 2.0 OR PH > 12.5. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL, STATE AND LOCAL REGULATIONS.

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