

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

/MSDS 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,  
DYSP  
HAGIA, EDEMA. EYE CONTACT CAUSES S EVERE 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, INXOMNIA, GASTRIC  
DISTURBANCES, DIZZINESS, SLOW BREATHING, BLINDNESS, DEATH,  
RESPIRATORY TRACT IRRITATION, CHEST CONST

RICTION, 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 CAUSE  
RESPIRATORY SENSITIZATION IN SOME INDIVIDUALS OR AGGRAVATE  
PRE-EXISTING ASTHMATIC CONDITIONS.

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===== 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.

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===== 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.

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===== 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.

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===== 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 ON

LY 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.

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

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

HYDE 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 BEFOR

E 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.

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===== 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%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG BASES.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFA

CTURER.

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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