

EASTMAN KODAK COMPANY -- 801 8657,KODAK STARMATE 500 (SEE SUPPL DATA) --
6850-01-389-1740

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

Product ID:801 8657,KODAK STARMATE 500 (SEE SUPPL DATA)

MSDS Date:08/06/1999

FSC:6850

NIIN:01-389-1740

Status Code:A

Kit Part:Y

MSDS Number: CKYGZ

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:

US

Info Phone Num:716-722-5151/(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

CAGE:19139

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

Ingred Name:IRON OXIDE

CAS:1309-37-1

RTECS #:NO7400000

Fraction by Wt: SEE ING 1%

Other REC Limit

s:NOT PROVIDED
OSHA PEL:10 MG/M3
ACGIH TLV:5 MG/M3;2 PPM

Ingred Name:MAGNESIUM OXIDE
CAS:1309-48-4
RTECS #:OM3850000
Fraction by Wt: SEE ING 1%
Other REC Limits:NOT PROVIDED
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:STYRENE-ACRYLATE COPOLYMER
CAS:27136-15-8
Minumum % Wt:1.
Maxumum % Wt:5.
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:CARBON BLACK
CAS:1333-86-4
RTECS #:FF5800000
< Wt:1.
Other REC Limits:NOT PROVIDED
OSHA PEL:3.5 MG/M3
ACGIH TL
V:3.5 MG/M3

Ingred Name:FERRITE (CONTAINING INGREDIENTS 2, 3, 4 AND 5)
Minumum % Wt:90.
Maxumum % Wt:95.
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:COPPER OXIDE
CAS:1317-38-0
RTECS #:GL7900000
< Wt:25.
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:ZINC OXIDE
CAS:1314-13-2
RTECS #:ZH4810000
< Wt:25.
Other REC Limits:NOT PROVIDED
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3 (TDUST)
ACGIH STEL:10 MG/M3

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Hazards Identification
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LD50 LC50 Mixture:NOT PROVIDED

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

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

EXPECTED TO BE A LOW HAZARD FOR RECOMMENDED HANDLING. EYES: NO

SPECIFIC HAZARD KNOWN. MAY CAUSE TRANSIENT IRRITATION. SKIN:

EXPECTED TO BE A LOW HAZARD FOR RECOMMENDED HANDLING. INGESTION:

EXPECTED TO BE A LOW INGESTION HAZARD.

Explanation of Carcinogenicity:(COMPONENTS PR

ESENT AT 0.1% OR MORE):-

INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) (CARBON BLACK):

2B - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

(ACGIH): CARBON BLACK: NOT CLAS SIFIABLE AS A HUMAN CARCINOGEN (A4)

NATIONAL TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AND

HEALTH ADMINISTRATION (OSHA): NONE

Effects of Overexposure:EYES: MAY CAUSE TRANSIENT IRRITATION.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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First Aid Measures
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First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES: ANY MATERIAL THAT CONTACTS THE EYE SHOULD BE WASHED OUT IMMEDIATELY WITH WATER. GET MEDICAL ATTENTION I F SYMPTOMS OCCUR. 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
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Fighting Measures =====

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE (CO2), DRY CHEMICAL

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:NONE, BASED ON LIMITED QUANTITY OF

CHEMICAL CONTAINED IN CARTRIDGE. HOWEVER, COMPONENT IS COMBUSTIBLE.

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Accidental Release Measures
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Spill Release P

rocedures:DO NOT USE A VACUUM CLEANER TO CLEAN UP SPILLS
OF POWDERED TONERS. THE VERY FINE PARTICLES CAN CAUSE A FIRE OR
EXPLOSION. SWEEP MATERIAL ONTO PAPER AND PLACE IN A FIBER CARTON.
AVOID GENERATION OF DUS T. CLEAN SURFACE THOROUGHLY TO REMOVE
RESIDUAL CONTAMINATION.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED. KEEP FROM
CONTACT WITH OXIDIZING MATERIALS.

Other

Precautions:AVOID BREATHING DUST. AVOID CONTACT WITH EYES AND
PROLONGED OR REPEATED CONTACT WITH SKIN. USE WITH ADEQUATE
VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NONE SHOULD BE NEEDED.

Ventilation:GOOD VENTILATION (TYPICALLY 4-6 ROOM VOLUMES PER HOUR)
SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS.

Protective Gloves:FOR PROLONGED OR REPEATED SKIN CONTACT IMPERVIOUS

GLOVES SHOULD BE WORN.

Eye Protection:IT IS A GOOD INDUSTRIAL HYGIENE PRACTICE TO MINIMIZE EYE
CONTACT.

Other Protective Equipment:WASHING FACILITIES

Work Hygienic Practices:IT IS A GOOD INDUSTRIAL HYGIENE PRACTICE TO
MINIMIZE EYE CONTACT. IT IS A GOOD INDUSTRIAL HYGIENE PRACTICE TO
MINIMIZE SKIN CONTACT.

Supplemental Safety and Health

CONTINUED FROM PRODUCT ID: TONER/DEVELOPER CARTRIDGE KIT/NEGATIVE
(CARTRIDGE). ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT
AVAILABLE. N/K

= UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT.

N/D = NO T DETERMINED. N/E = NOT ESTABLISHED.

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

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

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NEGLIGIBLE

Vapor Density:NEGLIGIBLE

Spec Gravity:4.13

Evaporation Rate & Reference:NEGLIGIBLE

Solubility in Water:NEGLIGIBLE

Appearance and Odor:BLACK SOLID (POWDER) ODOR: SLIGHT

Percent Volatiles

by Volume:NEGLIGIBLE
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,
OXIDES OF IRON

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

Toxicological Information:EFFECTS OF EXPOSURE: INHALATION: EXPECTED TO
BE A LOW HAZARD FOR RECOMMENDED HANDLING.
EYES: NO SPECIFIC HAZARD
KNOWN. MAY CAUSE TRANSIENT IRRITATION. SKIN: EXPECTED TO BE A LOW
HAZARD FOR RECOMMENDED HANDLING. INGESTION: EXPECTED TO BE A LOW
INGESTION HAZARD.

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

Ecological:IT IS EXPECTED TO HAVE THE FOLLOWING PROPERTIES: A LOW
BIOCHEMICAL OXYGEN DEMAND AND LITTLE POTENTIAL TO CAUSE OXYGEN
DEPLETION IN AQUEOUS SYSTEMS, A LOW POTENTIAL TO AFFECT AQUATIC
ORGANISMS, A MOD ERATE POTENTIAL TO
AFFECT THE GROWTH OF SOME
PLANT SEEDLINGS, A MODERATE POTENTIAL TO AFFECT ALGAL GROWTH, A
LOW POTENTIAL TO BIODEGRADE (HIGH PERSISTENCE) WITH UNACCLIMATED
MICROORGANISMS FROM ACT IVATED SLUDGE, A LOW POTENTIAL TO
BIOCONCENTRATE. AFTER DILUTION WITH A LARGE AMOUNT OF WATER,
FOLLOWED BY SECONDARY WASTE TREATMENT, THIS MATERIAL IS NOT
EXPECTED TO CAUSE ADVERSE ENVIRONMENTAL EFF ECTS.

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

Waste Disposal Methods:INCINERATE OR LANDFILL. CAN BE LANDFILLED WHEN
IN COMPLIANCE WITH LOCAL REGULATIONS. DISCHARGE, TREATMENT, OR
DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS.

===== 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 .

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Regulatory Information
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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: COPPER OXIDE, ZINC OXIDE

Federal Regulatory Information:NOT PROVIDED

State Regulatory Information:MATERIAL(S) KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE CANCER: CARBON BLACK - MATERIAL(S) KNOWN TO
THE STATE OF CALIFORNIA

A TO CAUSE ADVERSE REPRODUCTIVE EFFECTS:
NONE

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Other Information
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particular situation.