

EASTMAN KODAK COMPANY

-- 182 1768 SIGNATURE BLACK TONING INK

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MSDS Safety Information  
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FSC: 6850  
MSDS Date: 08/07/1998  
MSDS Num: BYCKT  
LIIN: 00D004209  
Product ID: 182 1768 SIGNATURE BLACK TONING INK  
MFN: 01  
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  
Review Ind: Y  
Published: Y

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Contractor Summary  
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Cage: 19139  
Name: EASTMAN KODAK COMPANY  
Address: 343 STATE STREET  
City: ROCHESTER NY 14650  
Phone: 716-722-5151/(800) 242-2424  
Cage: 5K871  
Name: EASTMAN KODAK COMPANY, EASTERN REGIONAL DIST. CTR.  
Address: 1187 W RIDGE RD  
City: ROCHESTER NY 14650  
Phone: 716-722-5151

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Ingredients  
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Cas: 64475-85-0  
RTECS #: PY8240000  
Name: MINERAL SPIRITS (ISOPARAFFINIC HYDROCARBON)  
% Wt: 80-85  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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RTECS #: 1005032PV  
Name: POLYESTER AND VINYL POLYMER MIXTURE  
% Wt: 15-20  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED

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Cas: 1333-86-4  
RTECS #: FF5800000  
Name: CARBON BLACK  
% Wt: 1-5  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 3.5 MG/M3  
ACGIH TLV: 3.5 MG/M3; 9495

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Health Hazards Data  
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LD50 LC50 Mixture: ORAL LD50 (RATS): > 5 G/KG

Route Of Entry Inds - Inhalation: NO

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: EXPECTED TO BE A LOW INHALATION HAZARD FOR RECOMMENDED HANDLING. EXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE HEADACHE, NAUSEA, CONFUSION, DROWSINESS, COMA. MAY CAUSE TRANSIENT EYE IRRITATION. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DRYING/CRACKING. MAY BE HARMFUL IF SWALLOWED. ASPIRATION HAZARD.

Explanation Of Carcinogenicity: THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Signs And Symptoms Of Overexposure: HEADACHE, NAUSEA, CONFUSION, DROWSINESS, CONVULSIONS, COMA, EYE IRRITATION, SKIN IRRITATION/DRYING/CRACKING, PULMONARY HEMORRHAGE, EDEMA, POSSIBLE DEATH.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

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. CALL PHYSICIAN OR POISON CONTROL ASAP. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS.

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Handling and Disposal  
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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 THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: CAN BE INCINERATED WHEN IN COMPLIANCE WITH LOCAL REGULATIONS. CONTRACT WITH A LICENSED CHEMICAL DISPOSAL AGENCY. DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE OR LOCAL LAWS.

Handling And Storage Precautions: AVOID CONTACT WITH EYES, SKIN & CLOTHING. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. USE WITH ADEQUATE VENTILATION. KEEP FROM OXIDIZING MATERIALS

Other Precautions: KEEP AWAY FROM HEAT AND FLAME. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

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Fire and Explosion Hazard Information  
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Flash Point Method: SCC

Flash Point Text: 103F, 39C

Lower Limits: NOT GIVEN

Upper Limits: NOT GIVEN

Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, FOAM

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

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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Control Measures  
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Respiratory Protection: IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, AN APPROVED RESPIRATOR MUST BE WORN. RESPIRATOR TYPE: ORGANIC VAPOR. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE INSTITUTED.

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

Protective Gloves: IMPERVIOUS

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: NONE SPECIFIED BY MANUFACTURER.

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Physical/Chemical Properties  
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HCC: F4

B.P. Text: 340F,171C

M.P/F.P Text: NOT GIVEN

Decomp Text: NOT GIVEN

Vapor Pres: 3

Vapor Density: 5.0

Spec Gravity: 0.85

Evaporation Rate & Reference: 0.3 (N-BUTYL ACETATE=1)

Solubility in Water: NEGLIGIBLE

Appearance and Odor: BLACK LIQUID, KEROSENE ODOR

Percent Volatiles by Volume: 80 %

Corrosion Rate: UNKNOWN

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: STRONG OXIDIZING AGENTS

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF SULFUR

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE. WILL NOT OCCUR.

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Toxicological Information  
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Ecological Information  
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MSDS Transport Information  
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Regulatory Information  
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Other Information  
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Transportation Information  
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Responsible Party Cage: 19139  
Trans ID NO: 3181  
Product ID: 182 1768 SIGNATURE BLACK TONING INK  
MSDS Prepared Date: 08/07/1998  
Review Date: 01/31/1996  
MFN: 1  
Tech Entry NOS Shipping Nm: FLAMMABLE LIQ,N.O.S.(ISOPARAFFINIC HYDROCARBON  
80-85%,POLYESTER/VINYL POLYMER MIX 15-20%,CARBON BLACK 1-5%).  
Net Unit Weight: 0.9 LBS  
Multiple KIT Number: 0  
Review IND: Y  
Additional Data: PER MSDS:TRANSP INFO CALL KODAK INFO CENTER:80--242-2424  
BETWEEN 8AM-8PM (EASTERN STD TIME) MON-FRI.

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Detail DOT Information  
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DOT PSN Code: GJL  
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.  
Hazard Class: 3  
UN ID Num: UN1993  
DOT Packaging Group: III  
Label: FLAMMABLE LIQUID  
Special Provision: B1,B52,T7,T30  
Packaging Exception: 150  
Non Bulk Pack: 203  
Bulk Pack: 242  
Max Qty Pass: 60 L  
Max Qty Cargo: 220 L  
Vessel Stow Req: A

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Detail IMO Information  
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IMO PSN Code: HIA  
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o  
IMDG Page Number: 3345  
UN Number: 1993  
UN Hazard Class: 3.3  
IMO Packaging Group: III  
Subsidiary Risk Label: -  
EMS Number: 3-07  
MED First Aid Guide NUM: T

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Detail IATA Information  
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IATA PSN CA  
IATA UN ID Num: 1993  
IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. \*  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUID  
UN Packing Group: III  
Packing Note Passenger: 309  
Max Quant Pass: 60L  
Max Quant Cargo: 220L  
Packing Note Cargo: 310

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Detail AFI Information  
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AFI PSN CA  
AFI Symbols: \*  
AFI Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.  
AFI Hazard Class: 3  
AFI UN ID NUM: UN1993  
AFI Packing Group: III  
Special Provisions: P5  
Back Pack Reference: A7.3  
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HAZCOM Label  
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Product ID: 182 1768 SIGNATURE BLACK TONING INK  
Cage: 19139  
Company Name: EASTMAN KODAK COMPANY  
Street: 343 STATE STREET  
City: ROCHESTER NY  
Zipcode: 14650  
Health Emergency Phone: 716-722-5151  
Label Required IND: Y  
Date Of Label Review: 01/31/1996  
Status Code: C  
Label Date: 01/31/1996  
Origination Code: F  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: WARNING  
Respiratory Protection IND: YES  
Health Hazard: Slight  
Contact Hazard: Slight  
Fire Hazard: Moderate  
Reactivity Hazard: None  
Hazard And Precautions: CONTAINS:ISOPARAFFINIC HYDROCARBON.WARNING!HARMFUL IF SWALLOWED.COMBUSTIBLE LIQ/VAP.HIGH VAP CONCEN MAY CAUSE DROWS/IRRIT OF EYES/RESP TRACT.KEEP AWAY FRM HEAT/FLAME.AVOID BREATH HIGH VAP CONCEN.AVOID PROLONGED/REPEATED COTNACT W/SKIN.KEEP CNTNR CLSD.USE W/ADEQUATE VENTIALTION.WASH THOROUGHLY AFT HNDLG.1STAIID:INHAL:SYMPTOMATIC MOVE TO FRESH AIR.SYMPTOMS PERSIST GET MED ATTN.EYE:ANY MATL THAT CONTACT EYE SHOULD BE WASHED OUT IMMED W/WATER.SYMPTOMS OCCUR GET MED ATTN.SKIN:WASH W /SOAP/WATER.SYMPTOMS OCCUR GET MED ATTN.INGEST:DO NOT INDUCE VOMIT.GIVE GLASS OF WATER.NEVER GIVE ANYTHING BY MOUTH IF UNCONSC.CALL PHYSICIAN/POISON CONTROL CENTER IMMED.  
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