

SECTION 1:
MANUFACTURER

MATERIAL SAFETY DATA SHEET
BATES MFG. CO.
NEWBURGH ND

97720

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DATE PREPARED
03/30/90

INK NAME: NO. MACHINE INK Black

HEALTH:	0	CODE:	0=MINIMAL
FLAMMABILITY:	0		1=SLIGHT
REACTIVITY:	0		2=MODERATE
PERSONAL PROTECTION:	B		3=SERIOUS
			4=SEVERE

SECTION 2: HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	ACGIH-TLV	OSHA-PEL	CAS NO
PIGMENT BLACK 7	.00			133-86-4
PIGMENT BLUE 1	.00			14039-43-8
LIGHT MINERAL OIL	.00			64742-52-5
MEDIUM MINERAL OIL	.00			64742-52-5
HEAVY MINERAL OIL	.00			64742-52-5

SECTION 3: PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: 450 F
 MELTING POINT: -25 F
 VAPOR DENSITY: >10
 SPECIFIC GRAVITY: 0.90
 REACTIVITY IN WATER: NONE
 SOLUBILITY IN WATER: INSOLUBLE
 AUTO IGNITION: 600 F
 VAPOR PRESSURE: 0.1 MM HG
 APPEARANCE & ODOR: OILY LIQUID
 APPEARANCE & ODOR: OIL ODOR
 LEL/UEL %: N/A
 FLASH POINT: 305 F
 METHOD: CLOSED CUP

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SECTION 4: FIRE & EXPLOSION DATA

EXTINGUISHING MEDIA: CARBON DIOXIDE
 EXTINGUISHING MEDIA: DRY CHEMICAL
 EXTINGUISHING MEDIA: WATERSPRAY
 SPECIAL FIRE PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS
 SPECIAL FIRE PROCEDURES: WEAR PROTECTIVE CLOTHING
 SPECIAL FIRE PROCEDURES: USE WATERSPRAY TO COOL FIRE-EXPOSED AREA
 SPECIAL FIRE PROCEDURES: USE WATERSPRAY TO PROTECT PERSONNEL
 UNUSUAL HAZARDS: FOAM AND WATER FOG MAY CAUSE FROTHING

SECTION 5: REACTIVITY DATA

STABLE, Y=YES, N=NO : Y
 CONDITIONS TO AVOID: EXTREME HEAT AND OPEN FLAME
 INCOMPATIBILITY: OILS WILL SWELL RUBBER
 HAZARDOUS DECOMPOSITION: EXCESSIVE HEATING MAY PRODUCE CO2
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 5: REACTIVITY DATA

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CONDITIONS TO AVOID: NONE

SECTION 6: HEALTH HAZARDS

ACUTE: NONE

CHRONIC: MILD SKIN IRRITANT

SIGNS & SYMPTOMS OF EXPOSURE: MILD SKIN IRRITATION AND INFLAMMATION

MEDICAL CONDITIONS AGGRAVATED: PERSONS WITH PRE-EXISTING SKIN DISORDERS

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: ***

NATIONAL TOXICOLOGY PROGRAM, Y=YES, N=NO: N

IARC MONOGRAPHS, Y=YES, N=NO: N

OSHA, Y=YES, N=NO: N

FIRST AID FOR INHALATION: REMOVE TO FRESH AIR

FIRST AID FOR EYES: FLUSH EYES WITH WATER

FIRST AID FOR SKIN: WASH WITH SOAP AND WATER; CHANGE CLOTHING

FIRST AID FOR INGESTION: GIVE LARGE QUANTITIES OF WATER

FIRST AID FOR INGESTION: INDUCE VOMITING

ROUTES OF ENTRY FOR INHALATION: NO SIGNIFICANT ADVERSE HEALTH EFFECTS

ROUTES OF ENTRY FOR EYES: NON-IRRITATING

ROUTES OF ENTRY FOR SKIN: NO SIGNIFICANT ADVERSE HEALTH EFFECTS

ROUTES OF ENTRY FOR INGESTION: NO SIGNIFICANT ADVERSE HEALTH EFFECTS

SECTION 7: SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES

HANDLING & STORAGE: DO NOT ALLOW CONTAMINATION BY WATER

HANDLING & STORAGE: KEEP CONTAINER CLOSED WHEN NOT IN USE

HANDLING & STORAGE: AVOID EXTREME HEAT, AVOID GETTING ON

HANDLING & STORAGE: HAND OR CLOTHING BECAUSE INK WILL SPREAD

STEPS IF SPILLED: ADD ABSORBENT

STEPS IF SPILLED: SCOOP INTO DISPOSAL CONTAINER

STEPS IF SPILLED: WASH OR STEAM CLEAN AREA

STEPS IF SPILLED: PUT DOWN SAWDUST TO AVOID SLIPPING

WASTE DISPOSAL: INCINERATE IN CHEMICAL FURNACE

WASTE DISPOSAL: MUST CONFORM TO LOCAL, STATE & FEDERAL REGULATIONS

SECTION 8: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NO SPECIAL PROTECTION NEEDED

VENTILATION: USE WITH ADEQUATE VENTILATION

LOCAL EXHAUST: N/A

MECHANICAL: N/A

SPECIAL: NONE

PROTECTIVE GLOVES: RUBBER GLOVES

EYE PROTECTION: SPLASH GLASSES

OTHER PROTECTION: EYE BATH

WORK/HYGENIC PRACTICES: INK IS OILY THAT SPREADS EASILY, USE WITH CARE.

SPECIAL MESSAGE SECTION

THE HAZARDS LISTED ON THIS MSDS ARE TAKEN FROM THE MSDS FOR EACH OF THE INGREDIENTS IN THIS MIXTURE. IN MOST CASES, THE MAXIMUM FORM OF HAZARD IS REPRESENTED HERE. THE TLV'S REPRESENT THE CONDITIONS UNDER WHICH IT IS BELIEVED THAT NEARLY ALL WORKERS MAY BE REPEATEDLY EXPOSED DAY AFTER DAY WITHOUT ADVERSE EFFECT. IT MUST BE REMEMBERED

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SPECIAL MESSAGE SECTION

THAT EACH INDIVIDUAL REACTS DIFFERENTLY AND SOME MAY EXPERIENCE DISCOMFORT WHILE OTHERS DO NOT. THIS MSDS IS PRESENTED SO THAT EACH INDIVIDUAL WILL HAVE THE INFORMATION TO DEAL SAFELY WITH THE USE OF THIS PRODUCT.

DISCLAIMER SECTION

DISCLAIMER OF LIABILITY:

AS THE CONDITIONS OR METHODS OF USE ARE BEYOND OUR CONTROL, WE DO NOT ASSUME ANY RESPONSIBILITY AND EXPRESSLY DISCLAIM ALL LIABILITY FOR ANY USE OF THIS MATERIAL. INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH AND BELIEVED TO BE TRUE AND ACCURATE. BUT ALL STATEMENTS OR SUGGESTIONS ARE MADE WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THE INFORMATION, THE HAZARDS CONNECTED WITH THE USE OF THE MATERIAL OR RESULTS TO BE OBTAINED FROM THE USE THEREOF.
INFORMATION ON MSDS SUPPLIED BY INK MFG.

PREPARED BY: ALLEN WERWA. Safety Director 06/04/90