

MATERIAL SAFETY DATA SHEET
BATES MFG. CO.
NEWBURGH ND

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SECTION 1:
MANUFACTURER

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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			133-84-4
PIGMENT BLUE 1	.00			14038-43-8
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

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SECTION 5: REACTIVITY DATA

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 DILY 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

SPECIAL MESSAGE SECTION

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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

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