

SECTION 1:  
MANUFACTURER

MATERIAL SAFETY DATA SHEET  
PATES MFG. CO.  
NEWBURGH, NJ

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HACKETTSTOWN, NJ 07840  
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DATE PREPARED  
03/30/90

INK NAME: NO. MACHINE INK BLUE

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 BLUE 1	.00			14038-43-8
PIGMENT VIOLET 3	.00			8004-87-3
LIGHT MINERAL OIL	.00			64742-52-5
MEDIUM MINERAL OIL	.00			64742-52-5
HEAVY MINERAL OIL	.00			64742-52-5

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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

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

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SECTION 5: REACTIVITY DATA

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
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 BE-  
LIEVED THAT NEARLY ALL WORKERS MAY BE  
REPEATEDLY EXPOSED DAY AFTER DAY WITHOUT

SPECIAL MESSAGE SECTION

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ADVERSE EFFECT. IT MUST BE REMEMBERED 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.

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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