

MATERIAL SAFETY DATA SHEET

MSDS ID# PERMANENT MARKER INK: BLACK
PRODUCT NAME: PERMANENT MARKER INK: BLACK
PART #: PM SERIES PMBK 10-11

SECTION I	SUPPLIER INFORMATION
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COMMON NAME: PERMANENT MARKER INK: BLACK
CHEMICAL NAME: N/A
FORMULA / CAS: N/A

SUPPLIER:
ADDRESS:
CITY, STATE, ZIP:

*****EMERGENCY PHONE*****
973-887-9273

DATE ISSUED: 07-05-04 DATE ENTERED: 07-05-04
DATE REVISED: 07-05-04

SECTION II	HAZARDOUS INGREDIENTS
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BUTYL GLYCOL	30-40%	CAS# 111-76-2
ETHANOL	40-70%	CAS# 64-17-5

SECTION III	PHYSICAL / CHEMICAL CHARACTERISTICS
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APPEARANCE:	COLORED LIQUID
ODOR:	TYPICAL
BOLING POINT:	NOT DETERMINED
DENSITY (GM/ML):	Ca. 0.9
MELTING POINT:	NOT DETERMINED
VAPOR DENSITY (AIR = 1):	NOT DETERMINED
EVAPORATION RATE (BUTYL ACETATE = 1):	NOT DETERMINED
SOLUBILITY / WATER:	PARTIAL
PRESSURIZED:	NO
% VOLATILE:	80 OR MORE
OTHER CHARACTERISTICS:	ETHANOLIC SOLUTION OF ORGANIC PIGMENTS, RESINS AND ADDITIVES

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT deg C: NOT DETERMINED
EXPLOSION LIMITS: NOT DETERMINED
LEL: NOT DETERMINED
UEL: NOT DETERMINED

*****EXTINGUISHING MEDIA*****
ALCOHOL RESISTANT FOAM, CO2, POWDERS, WATER SPRAY

*****SPECIAL FIRE FIGHTING PROCEDURES*****
COOL CLOSED CONTAINERS EXPOSED TO FIRE WITH WATER. DO NOT USE
WATER JET AUTOIGNITION TEMPERATURE (deg C): NOT DETERMINED

SECTION V STORAGE HAZARDS

STABILITY: PRODUCT IS STABLE
CONDITIONS TO AVOID: AVOID HEATING ABOVE 60 deg C.

*****INCOMPATIBILITY (MATERIALS TO AVOID)*****
CONCENTRATED OXIDIZING OR REDUCUNG AGENTS

*****HAZARDOUS DECOMPOSITION OR BY-PRODUCTS*****
CARBON MONOOXIDE, CARBON DIOXIDE, SMOKE AND OXIDES OF
NITROGEN. NO HAZARDOUS DECOMPOSITION PRODUCTS KNOWN.

POLYMERIZATION: POLYMERIZATION WILL NOT OCCUR
CONDITIONS TOAVOID: NONE

SECTION VI HEALTH HAZARD DATA

*****ROUTES OF ENTRY*****
INHALATION: YES
SKIN: YES
INGESTION: YES
EYES: YES

SIGNS AND SYMPTOMS OF OVEREXPOSURE: ALCOHOL VAPORS MAY HAVE
NARCOTIC EFFECTS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED: MEDICATIONS TAKEN
CAN INCREASE THE NARCOTIC EFFECT OF ETHANOL.

*****ACUTE AND CHRONIC HEALTH HAZARDS*****
ACUTE: NOT DETERMINED CHRONIC: NOT DETERMINED

*****MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE*****
MEDICATIONS TAKEN CAN INCREASE THE NARCOTIC EFFECT OF ETHANOL.

*****EMERGENCY AND FIRST AID PROCEDURES*****

INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION AS NEEDED. KEEP PATIENT WARM AND AT REST. IF BREATHING IS IRREGULAR, ADMINISTER ARTIFICIAL RESPIRATION. IF UNCONSCIOUS PLACE IN THE RECOVERY POSITION AND SEEK MEDICAL ADVICE.

EYES: IMMEDIATELY FLUSH WITH WATER CONTINUOUSLY FOR AT LEAST 15 MINUTES. IN CASE OF REMAINING IRRITATION SEEK MEDICAL ATTENTION AS NEEDED.

SKIN: REMOVE MOISTENED CLOTHING, WASH WITH SOAP AND WATER. DO NOT USE SOLVENT OR THINNERS.

INGESTION: IF ACCIDENTLY SWALLOWED, OBTAIN IMMEDIATE MEDICAL ATTENTION.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

*****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED*****
ABSORB WITH APPROPRIATE LIQUID BINDING MATERIAL AND DISPOSE OF ACCORDING TO LOCAL REGULATIONS.

*****WASTE DISPOSAL*****
BURN IN A LICENSED INCINERATOR, TREAT IN A BIOLOGICAL CLARIFICATION PLANT.

*****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE*****
KEEP CONTAINERS TIGHTLY CLOSED, PROTECT DRUMS FROM THE INFLUENCE OF WEATHER, ESPECIALLY DIRECT SUNLIGHT.

*****OTHER PRECAUTIONS*****
PRODUCT SHOULD NOT GO UNTREATED INTO WATERS.

SECTION VIII CONTROL MEASURES

*****RESPIRATORY PROTECTION*****
NOT NECESSARY. GOOD ROOM VENTILATION IS SUFFICIENT.

*****VENTILATION*****

LOCAL EXHAUST:	AS NEEDED
SPECIAL EXHAUST:	NONE
MECHANICAL EXHAUST:	NONE

*****OTHER PROTECTION*****

GLOVES:	RUBBER OR PLASTIC
EYE PROTECTION:	CHEMICAL SAFETY GLASSES

*****CLOTHING*****

IMPERMEABLE APRON TO PREVENT STAINING OF CLOTHES.

*****WORK / HYGIENE PRACTICES*****

ALWAYS WASH THOROUGHLY AFTER HANDLING PRODUCT AND BEFORE EATING, DRINKING, SMOKING OR USING THE REST ROOM. PAY ATTENTION TO USUAL RULES FOR HANDLING CHEMICALS.

THIS IS THE END OF THE MSDS ID# PERMANENT MARKER INK: BLACK PM SERIES PMBK 10-11

Note: The information given in this MSDS is based on present state of knowledge and is no assurance of properties of our products. Existing laws and regulations have to be obeyed by the purchaser himself. The product shall not be used for purposes other than what it is assigned for without the consent of the producer.