

**MATERIAL SAFETY DATA SHEET**  
UNIVERSAL STENCILING & MARKING SYSTEMS  
205 15TH AVENUE SOUTHEAST, ST. PETERSBURG, FL 33701  
PHONE NUMBER: (727) 894-3027

Type P Black - 1 of 3

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## SECTION I: PRODUCT IDENTIFICATION

**PRODUCT NAME:** UNIVERSAL TYPE "P" BLACK STENCILING AND MARKING INK

### HEALTH HAZARD

MINIMAL ..... 0	HEALTH (1)	DOT CLASSIFICATION: UN-1210 FLAMMABLE LIQUID
SLIGHT ..... 1	FLAMMABILITY (2)	
MODERATE ... 2	REACTIVITY (0)	
SERIOUS ..... 3		
SEVERE ..... 4		

## SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT NAME:</u>	<u>%</u>	<u>CAS #</u>	<u>TLV/IPEL</u>
<u>KEROSENE K-1</u>	80.0	8008-20-6	NONE ESTABLISHED
<u>MINERAL OIL</u>	14.0	64742-52-5	5 MG/M3 OIL MIST
<u>CARBON BLACK</u>	6.0	1333-86-4	TLV 350 PPM/IPEL 350 PPM

NOTE: KEROSENE K-1 IS A COMPLEX MIXTURE OF PARAFFINS, CYCLOPARAFFINS, OLEFINS AND AROMATIC HYDROCARBONS HAVING HYDROCARBON CHAIN LENGTHS PREDOMINANTLY IN THE RANGE OF C9 THROUGH C16. CONTAINS MINOR AMOUNTS OF SULFUR (<0.05%). MAY CONTAIN A TRACE AMOUNT OF BENZENE (<0.01%).

CAN CONTAIN SMALL AMOUNTS OF RED DYE AND OTHER ADDITIVES (>0.15%) WHICH ARE NOT CONSIDERED HAZARDOUS AT THE CONCENTRATIONS USED.

(COMPONENTS - K-1 KEROSENE)

	<u>%</u>	<u>CAS #</u>	<u>TLV/IPEL</u>
SATURATED HYDROCARBONS (PARAFFINS AND CYCLOPARAFFINS)	70.00 - 80.00	MIXTURE	NONE ESTABLISHED
AROMATIC HYDROCARBONS	17.00 - 25.00	MIXTURE	NONE ESTABLISHED
UNSATURATED HYDROCARBONS (OLEFINS)	3.00 - 6.00	MIXTURE	NONE ESTABLISHED

## SECTION III: PHYSICAL DATA

BOILING POINT	350-570 DEG. F.
VAPOR DENSITY	APPROX. 4-5
EVAPORATION RATE VS. BUTYL ACETATE	SLOWER
% VOLATILE/VOL	80%
WEIGHT/GALLON	APPROX: 7.5 LBS/GAL
APPEARANCE & ODOR	BLACK LIQUID WITH KEROSENE ODOR

## SECTION IV: FIRE & EXPLOSION HAZARD DATA

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FLASH POINT	APPROX. 120 DEG. F.
EXTINGUISHING MEDIA	USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM
SPECIAL FIRE FIGHTING PROCEDURES	WATER SPRAY MAY SPREAD FIRE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILDUP AND POSSIBLE AUTO IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE.

## SECTION V: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE	EXCESSIVE INHALATION OF VAPORS MAY CAUSE HEADACHE, DIZZINESS, DROWSINESS AND NAUSEA.
PRIMARY ROUTES OF ENTRY: DERMAL, INHALATION	BECAUSE OF IT'S DEFATTING ACTION ON SKIN, THE SOLVENT IN THIS PRODUCT MAY CAUSE IRRITATION AND DERMATITUS. EYE IRRITATION IS ALSO POSSIBLE.

## EMERGENCY AND FIRST AID PROCEDURES

FUMES	REMOVE FROM EXPOSURE. RESTORE BREATHING IF REQUIRED. KEEP WARM & QUIET. TAKE TO A PHYSICIAN FOR DEFINITIVE MEDICAL TREATMENT.
SPLASH (EYES)	FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. TAKE TO A PHYSICIAN FOR DEFINITIVE MEDICAL TREATMENT.
SPLASH (SKIN)	WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. DESTROY CONTAMINATED SHOES. CONSULT A PHYSICIAN IF IRRITATION OCCURS.
INGESTION	DO NOT INDUCE VOMITING. CALL POISON CONTROL CENTER IMMEDIATELY.

## SECTION VI: REACTIVITY DATA

STABILITY	STABLE
INCOMPATIBILITY (MATERIALS TO AVOID)	ALKALIS, OXIDIZING MATERIALS, WATER, AND MOIST AIR
HAZARDOUS DECOMPOSITION PRODUCTS	MAY LIBERATE CARBON MONOXIDE, CARBON DIOXIDE
CONDITIONS TO AVOID	HEAT, SPARKS AND OPEN FLAMES

## SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES AND ELECTRICAL, STATIC OR FRICTIONAL SPARKS). AVOID BREATHING VAPORS AND CONTACT WITH SKIN. RECOVER AS MUCH FREE LIQUID AS POSSIBLE WITH NON-SPARKING TOOLS. REMOVE REMAINDER WITH INERT ABSORBENT.
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WASTE DISPOSAL METHOD

DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

## SECTION VIII: SPECIAL PROTECTION INFORMATION

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RESPIRATORY PROTECTION	USE ONLY IN WELL VENTILATED AREA TO KEEP VAPOR CONCENTRATION BELOW PEL.
IF SPRAYED	USE NIOSH APPROVED RESPIRATOR IF VAPOR OR EXCEEDS PEL.
VENTILATION	USE ADEQUATE VENTILATION TO PREVENT HIGH CONCENTRATION OF VAPOR. FANS SHOULD BE EXPLOSION PROOF.
PROTECTIVE GLOVES	REQUIRED FOR PROLONGED OR REPEATED CONTACT
EYE PROTECTION	IF SPLASH HAZARD EXISTS, USE SAFETY EYEWEAR.
OTHER PROTECTIVE EQUIPMENT	USE PROTECTIVE GARMENT AS REQUIRED.

## SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & AND STORING	KEEP CONTAINERS CLOSED. STORE IN WELL VENTILATED AREA. OBSERVE SAFE HANDLING & STORING METHODS FOR FLAMMABLES.
OTHER PRECAUTIONS	CONTAINERS SHOULD BE GROUNDED WHEN POURING.

## SECTION X: OTHER REGULATORY INFORMATION

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY THE STATE OF CALIFORNIA'S SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65) AS CAUSING CANCER OR REPRODUCTIVE TOXICITY AND FOR WHICH WARNINGS ARE NOW REQUIRED:

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