

## MATERIAL SAFETY DATA SHEET

UNIVERSAL STENCILING & MARKING SYSTEMS  
205 15TH AVENUE SOUTHEAST  
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### SECTION I: PRODUCT IDENTIFICATION

PRODUCT NAME: UNIVERSAL TYPE "D" BLACK STENCILING AND MARKING INK

HEALTH HAZARD  
MINIMAL ..... 0  
SLIGHT ..... 1  
MODERATE ... 2  
SERIOUS ..... 3  
SEVERE ..... 4

HEALTH (2)  
FLAMMABILITY (3)  
REACTIVITY (0)

DOT CLASSIFICATION: UN-1210 FLAMMABLE LIQUID

### SECTION II: HAZARDOUS INGREDIENTS

| INGREDIENT NAME                 | %     | CAS #      | TLV/IPEL                     |
|---------------------------------|-------|------------|------------------------------|
| ETHYLENE GLYCOL MONOBUTYL ETHER | 40.00 | 111-76-2   | TLV 25.00 PPM/IPEL 50 PPM    |
| ISOPROPYL ALCOHOL               | 5.0   | 67-63-0    | TLV 400.0 PPM/IPEL 500.0 PPM |
| N-PROPAL ALCOHOL                | 16.5  | 71-23-8    | TLV 200.0 PPM/IPEL 250.0 PPM |
| POLYAMIDE RESIN                 | 15.00 | 679-893-04 | UNKNOWN                      |
| N-PROPYL ACETATE                | 9.5   | 109-60-4   | TLV 200.0 PPM/IPEL 250.0 PPM |
|                                 |       |            |                              |

### SECTION III: PHYSICAL DATA

|                   |                                |
|-------------------|--------------------------------|
| BOILING POINT     | 198 DEG. F.                    |
| VAPOR DENSITY     | HEAVIER THAN AIR               |
| EVAPORATION RATE  | SLOWER THAN ETHER              |
| % VOLATILE/VOL    | 71%                            |
| WEIGHT/GALLON     | APPROX: 9.0 LBS/GAL            |
| APPEARANCE & ODOR | BLACK LIQUID WITH ALCOHOL ODOR |

### SECTION IV: FIRE & EXPLOSION HAZARD DATA

|                                  |  |
|----------------------------------|--|
| FLASH POINT                      | APPROX. 81 DEG. F. ASTM D-93   |
| 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 | INHALATION OF VAPORS OR MIST MAY IRRITATE NOSE & THROAT. INHALATION OF HIGH CONCENTRATIONS MAY CAUSE HEADACHE, NAUSEA, VOMITING, UNCONSCIOUSNESS AND COMA. SKIN CONTACT MAY CAUSE IRRITATION AND REDDENING. PROLONGED CONTACT MAY CAUSE SWELLING AND SKIN DAMAGE. THIS PRODUCT IS READILY ABSORBED THROUGH THE SKIN. FREQUENT OR WIDESPREAD CONTACT MAY ABSORB HARMFUL AMOUNTS. |
|-------------------------|---|

### 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     | 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, AND UNIDENTIFIED ORGANIC COMPOUNDS IN BLACK SMOKE |
| 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. |
| WASTE DISPOSAL METHOD                                     | DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.  |

## SECTION VIII: SPECIAL PROTECTION INFORMATION

|                            |   |
|----------------------------|---|
| RESPIRATORY PROTECTION     | USE ONLY IN WELL VENTILATED AREA TO KEEP VAPOR CONCENTRATION BELOW PEL.   |
| IF SPRAYED                 | USE NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS IN THE PRESSURE DEMAND MODE OR A SUPPLIED AIR RESPIRATOR. |
| VENTILATION                | USE ADEQUATE VENTILATION TO PREVENT HIGH CONCENTRATION OF VAPOR.  |
| 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:

GLYCOL ETHERS: 40.00% BY WT.

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:

ETHYLENE OXIDE: CAS 107-21-1 : TRACE AMOUNTS % BY WT.

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