

## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER: Universal #100  
 PRODUCT COLOR: No Lead Yellow  
 CHEMICAL NAME: Mixture  
 FORMULA: Proprietary Mixture  
 HMIS HAZARD CODE H:2 F:3 R:0

**Supplier:**

Universal Stenciling & Marking Systems, Inc. (727) 894-3027  
 205 15th Avenue South East  
 Saint Petersburg, FL 33701

**Emergency Telephone Number:**

TRANSPORTATION: CHEMTREC (800) 424-9300

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Listed below are all the hazardous ingredients, with CAS# and hazard data, of this mixture, pursuant to NJ Admin Code Title 8, Chap 59 (NJ Worker and Community Right to Know Act) and the Special Health Hazard Substance List (NJAC 8:59-10). This exceeds Federal OSHA requirements. NJ requires that the five most predominant ingredients be listed, which may include a Trade Secret Registry Number (NJTSRN) to cover those nonhazardous top five ingredients not specifically listed. Available health hazard and physical property information concerning the mixture is furnished in this data sheet. In the event of a medical emergency, specific chemical information will be made immediately available to a treating physician or nurse.

<u>Ingredient(s)</u>	<u>CAS Number</u>	<u>Weight %</u>	<u>OSHA TLV</u>	<u>ACGIH TLV</u>
n-Butyl Alcohol	71-36-3	30-40	50ppm skin	50ppm skin
Isopropyl Alcohol	67-63-0	0-5	400ppm	400ppm
Ethyl Acetate	141-78-6	5-15	400ppm	400ppm
nPropyl Alcohol	71-23-8	0-5	200ppm	200ppm
Isopropyl Acetate	108-21-4	0-2	250ppm	250ppm

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### SECTION 3. HAZARDS IDENTIFICATION

**Emergency Overview:** As noted in the preface to published values adopted by the ACGIH, TLV's represent "conditions under which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect. Because of wide variation in individual susceptibility however, a small percentage of workers may experience discomfort from some substances at concentrations at or below the threshold limit; a smaller percentage may be affected more seriously by aggravation of a pre-existing condition or by development of occupational illness."

#### Potential Health Effects

- INGESTION:** Slightly irritating to gastrointestinal tract. Can cause headache, diarrhea, drowsiness, breathing difficulties, nausea, vomiting.
- EYES:** Slightly irritating. May cause redness and/or blurred vision, but reversible within seven days.
- SKIN:** Slightly irritating. Prolonged or widespread contact may lead to defatting or dermatitis.
- INHALATION:** Toxic or moderately irritating to nasal and respiratory tracts. Can cause headache, dizziness, drowsiness, breathing difficulties, nausea, unconsciousness.

### SECTION 4. FIRST AID MEASURES

- INGESTION:** Currently available information does not contraindicate induction of vomiting. Induce vomiting, if conscious, as directed by medical personnel. Seek medical attention.
- EYES:** Flush immediately with water for at least 15 minutes. Seek medical attention.
- SKIN:** Remove contaminated clothing. Thoroughly wash with soap and large amounts of water. Seek medical attention.
- INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

### SECTION 5. FIREFIGHTING MEASURES

- FLASH POINT (EF, TCC):** 46
- FLAMMABLE LIMITS:** LEL: 1.4 UEL: unknown  
LEL value reported is lowest listed for any ingredient in mixture.
- EXTINGUISHING MEDIA:** Water fog, Multipurpose foam, Dry chemical, CO2
- SPECIAL FIREFIGHTING PROCEDURES:** Fight as volatile liquid fire.  
Water spray may spread fire.

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Flashback fires may occur.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

SPILL OR LEAK PROCEDURES: Secure area and remove all sources of ignition and heat. Prevent additional discharge of material. Absorb small spills with sand, filter-aid, vermiculite or other inert absorbent material. For large spills, prevent material from entering sewers or water courses. Contain spill with sand, or earth dikes. Recover as much as possible by pumping. Treat remainder as small spill. Dispose of waste in accordance with applicable government regulations. Wear chemical goggles, gloves, boots, and protective clothing. Wear respirator if necessary.

## **SECTION 7. HANDLING AND STORAGE**

STORAGE TEMPERATURE: 40 - 90E F

SHELF LIFE: Recommended use within 12 months.

HANDLING AND STORAGE PRECAUTIONS: Store in tightly closed or properly vented container away from heat, sparks, open flame, or strong oxidizing agents. Containers must be properly grounded and adequate ventilation provided. Unscrew all caps slowly. Do not unscrew entirely until all pressure has been completely released.

REPAIR & MAINTENANCE OF CONTAMINATED EQUIPMENT: Handle all equipment containing liquid mixture as reported on this MSDS. Equipment with "dried mixture" must be handled with the same care as other dried organic coatings. All cleaning material should be handled according to their instructions and their MSDSs.

OTHER PRECAUTIONS: Use only with adequate ventilation. Dispose of "empty" containers promptly and properly.

SPECIAL PRECAUTIONS: None

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

EYE PROTECTION: Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles or vapor. Contact lenses must not be worn.

SKIN PROTECTION: Depending on the conditions of use, protective gloves, clothing, boots, head and face protection should be worn.

RESPIRATORY/VENTILATION: If workplace exposure limits of product or any component is exceeded, NIOSH/MSHA approved respiratory protection must be used.

ENGINEERING CONTROLS: Provide local exhaust or general room ventilation to minimize exposure to vapors.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Liquid
ODOR:	Moderate
BOILING POINT (EF):	approx 200
VAPOR PRESSURE (mm Hg):	approx 18
VAPOR DENSITY (Air=1):	approx 2.7
SOLUBILITY IN WATER:	Appreciable
SPECIFIC GRAVITY (H <sub>2</sub> O=1):	1.07
% VOLATILE BY VOLUME:	approx 85
EVAPORATION RATE (nBuAcet=1):	approx 0.7

## SECTION 10. REACTIVITY

STABLE:	Yes
HAZARDOUS POLYMERIZATION:	No
INCOMPATIBILITIES:	Strong oxidizing agents, strong acids, strong bases, alkali metals, halogens
DECOMPOSITION PRODUCTS:	CO, CO <sub>2</sub> , Organic Combustion Products, Oxides of Nitrogen

## SECTION 11. TOXICOLOGICAL INFORMATION

No Data Available

## SECTION 12. ECOLOGICAL INFORMATION

No Data Available

## SECTION 13. DISPOSAL CONSIDERATIONS

Consult Federal, State, and Local Regulations for accepted procedures of disposal, and any reporting or notification requirements.

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## SECTION 14. TRANSPORTATION INFORMATION

DOT SHIPPING NAME: Printing Ink  
DOT HAZARD CLASS: Flammable Liquid, PG II  
UN NUMBER: UN 1210  
DOT LABEL: Flammable Liquid (or ORM-D if containers are <= 1 quart, domestic ground shipments only)  
FREIGHT CLASS: 55

## SECTION 15. REGULATORY INFORMATION

TSCA STATUS: Listed

OTHER REGULATORY:

<u>Ingredient(s)</u>	<u>SARA 302</u>	<u>SARA 313</u>	<u>RECRA</u>	<u>PROP 65</u>
n-Butyl Alcohol	No	Yes	U031	No
Isopropyl Alcohol	No	No	No	No
Ethyl Acetate	No	No	U112	No
nPropyl Alcohol	No	No	No	No
Isopropyl Acetate	No	No	No	No

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## SECTION 16. OTHER INFORMATION

PREPARED BY: Tom Sweet  
TITLE: President  
APPROVAL DATE: 02/04/2005  
SUPERCEDES DATE: 09/30/2004

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