
SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL SAFETY DATA SHEET

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Universal Stenciling & Marking Systems, Inc.

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Product Name: MT Black Rolls

General Description: Flammable Non-Porous Ink within MT Structure

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Reg. No</u>	<u>Weight %</u>
n-Propyl Alcohol	71-23-8	14.6% (ink)
2-Ethylhexanol	104-76-7	10-30% (ink)
d-Limonene	5989-27-5	30-60% (ink)
Isobutyl Alcohol	78-83-1	14% (ink)

Manufacturer states all other ingredient information is proprietary or non-hazardous as defined by the Hazard Communication Standard (29 CFR 1910.1200)

SECTION 3. HAZARDS IDENTIFICATION

Ink is FLAMMABLE, take all precautions

HMIS Ratings:

Health: 2

Flammability: 3

Reactivity: 1

NOTE - HMIS and NFPA ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information in the MSDS must be considered.

SECTION 4. FIRST-AID MEASURES

Inhalation - If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Eyes - Any material that contacts the eye should be immediately flushed with water, lifting the upper and lower lids. Get immediate medical attention if any symptoms occur.

Skin - Wash immediately with soap and water. Apply skin cream if irritated. Get medical attention if symptoms occur.

Ingestion - Seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point (degrees F): 89 (32 C) Method Used: TCC
Autoignition Temperature: NE

Flammable Limits: NE

IN CASE OF FIRE

Extinguishing Media - Water spray: X Carbon Dioxide: X Dry Chemical: X

Special Firefighting Procedures: Class B firefighting procedures

Unusual Fire and Explosion Hazards: FLAMMABLE material

SECTION 6. ACCIDENTAL RELEASE MEASURES

In case of a spill: Absorb with inert material. Material is flammable, consult regulations for proper disposal of material that has been saturated with ink. Do not allow ink to get into sewer.

SECTION 7. HANDLING AND STORAGE

Personal Precautionary Measures: Good industrial hygiene practices

Prevention of Fire and Explosion: Keep containers closed when not in use. Use with adequate ventilation.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

<u>Component</u>	<u>CAS Reg. No.</u>	<u>OSHA</u>	<u>ACGIH</u>
n-Propyl Alcohol	71-23-8	200 ppm TWA 250 ppm STEL	200 ppm TWA 250 ppm STEL
Isobutanol	78-83-1	50 ppm TWA	50 ppm TWA

Ventilation: Local exhaust ventilation

Personal Protection - Good industrial hygiene practices should be followed which includes preventing eye contact, minimizing skin contact and inhalation.

Respiratory protection - None should be needed under normal use and conditions with stated ventilation.

Eye protection: Safety glasses with side shields

Skin protection: Protective gloves

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Porous structure

Color: Black

Odor: Alcohol
Specific Gravity (Water=1): 0.9-1.1
Vapor Pressure: NE
Vapor Density (Air=1): NE
Evaporation Rate (n-Butyl Acetate=1): NE
Melting Point (degrees F): NA
Boiling Point (degrees F): >200
Solubility in Water: Moderate
Solubility in Organic Solvents: Ink soluble in alcohols
Percent Volatile by Volume: NE
pH: 5-10

SECTION 10. STABILITY AND REACTIVITY

Incompatibility: Strong oxidizing and reducing agents
Hazardous Polymerization - Will not occur
Hazardous Decomposition Products - Combustion will produce oxides of carbon and nitrogen:
HCN, Amines, Anhydrides, Phenol.

SECTION 11. TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE OVEREXPOSURE

Inhalation: Respiratory tract irritation

Eye: Irritation, tearing, blurred vision

Skin: Possible irritation, drying and cracking

Ingestion: Gastrointestinal disturbances, nausea

Mutagenicity: No known mutagens

Chronic effects: May produce dermatitis

SECTION 12. ECOLOGICAL INFORMATION

This material has not been tested overall for environmental effects. The following ingredients are noted as DOT marine pollutants in Appendix B to 49 CFR 172.101
None greater than 10% or 1% for PP

SECTION 13. SPILL/DISPOSAL CONSIDERATIONS

Contain spills with rags or dry absorbent. Use a suitable ink cleaner to remove any residue. Wear protective gloves to minimize skin contact. Discard waste while observing all local, state, and federal regulations. See Section 15 for RCRA Status. In addition, consult local and state regulations.

SECTION 14. TRANSPORTATION INFORMATION

D.O.T. Shipping Name: Solids containing flammable liquid, n.o.s. (n-propanol, isobutanol)

D.O.T. Hazard Class: 4.1 Packing Group II

UN Number: UN3175

Exemptions and other requirements may apply, consult 49 CFR - Transportation

SECTION 15. REGULATORY INFORMATION

Material(s) known to the State of California to cause cancer: None

Material(s) known to the State of California to cause adverse reproductive effects: None

International Agency for Research on Cancer (IARC) components present at 0.1% or greater: None

National Toxicology Program (NTP) components present at 0.1% or greater: None

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: None

Chemical(s) subject to the reporting requirements of SARA Title III Section 304 and 40 CFR Part 302.4 (CERCLA Hazardous Substances): Isobutyl Alcohol

Chemical(s) subject to SARA Title III Section 302 and 40 CFR Part 355 (Extremely Hazardous Substances): None

Safety considerations: Do not breathe vapors

TSCA Status - All chemical ingredients found on TSCA Inventory

RCRA Status - If discarded in its purchased form, this product would carry the following status and classifications by listing or characteristic codes.

Status: Regulated

RCRA hazardous waste codes: D001 (liquid ink only)

However, it is the responsibility of the end-user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste. 40 CFR 261.20-24

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

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NA = Not Applicable

NE = Not Established