

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

NAME OF SUPPLIER: United Marking
PRODUCT NAME: Istamp® Ink (Black, Blue, Brown, Green, Orange, Pink, Purple, Light Blue, Light Green, Red and Yellow)
NAME OF DEPARTMENT: Product Development Department
ADDRESS: 2255 Lois Drive, Unit 4, Rolling Meadows, IL 60008
TELEPHONE NUMBER: (630) 890-3117 - 24 hour emergency
(847) 364-4435 - During business hours
FAX NUMBER: (847) 364-4436
CHEMICAL NAME: Ink Mixture
CHEMICAL FAMILY: Ink Mixture
FORMULA: Proprietary
MOLECULAR WEIGHT: N/A

SECTION 2: HAZARDS IDENTIFICATION

CLASS NAME OF HAZARDS FOR MSDS: Flammable Liquids
PHYSICAL AND CHEMICAL HAZARDS: Flammable Liquids
ADVERSE HUMAN HEALTH HAZARDS: Harmful in contact with eyes or oral consumption

SECTION 3: COMPOSITION/HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	PEL	CAS NO
Alcohol Group	5-15	N/A	N/A
Ethyl Alcohol	5-15	1000ppm	64-17-5
Castor Oil Derivative	40-60	N/A	N/A
Glycohol Ether Group	5-15	N/A	N/A
Synthetic Dye	5-15	N/A	N/A
Synthetic Resin	5-15	N/A	N/A

SECTION 4: TOXICOLOGICAL INFORMATION

Acute Toxicity: Ethyl Alcohol
Oral: LD50 (rat) 7,060 mg/Kg
Inhalation: LD50 (rat) 20,000 ppm/10H

SECTION 5: PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance & Odor: Mobile Liquid Solvent, Mild Odor
Appearance & Odor, VOC: 35.84 GMS/Liter
Auto Ignition: 380°C
Boiling Point: N/A
Flash Point: 40°C
LEL/VEL %: 1.5 14.0
Melting Point: N/A
Method: Closed Cup

SECTION 5: PHYSICAL AND CHEMICAL CHARACTERISTICS (CONTINUED)

Solubility in Water:	Insoluble in water
Specific Gravity:	N/A
Vapor Density:	1.0 g/cm ³
Vapor Pressure:	<1 mm hg
Volatile (wt.%):	5~10

SECTION 6: FIRE AND EXPLOSION DATA

Extinguishing Media:	Carbon Dioxide, Dry Chemical Powder and Foam.
Special Fire Procedures:	Wear protective clothing, equipment and self-contained breathing apparatus.
Unusual Hazards:	Wear suitable eye protection to prevent eye contact.

SECTION 7: REACTIVITY DATA

Conditions to Avoid:	Heat, sparks and open flame			
Control Parameters (Ethyl Alcohol):	ACGIH	TLV	TWA	1000ppm (1880 mg/m ³)
	OSHA	PEL		1000ppm (1900 mg/m ³)
Incompatibility:	Strong oxidizing agents			
Hazardous Decomposition:	Burning will produce Co ₂ and/or CO			
Hazardous Polymerization:	N/A			
Stable:	Yes			

SECTION 8: HEALTH HAZARDS

Acute:	Headache, Nausea or Vomiting
Chronic:	Skin and Eye Irritant
Signs and Symptoms of Exposure:	Breathing Difficulties, Headache, Eye Irritation, Nose Irritation, Nausea, Respiratory Tract Irritation, Vomiting or Weakness
Medical Conditions Aggravated:	N/A
Is Chemical Listed as Carcinogen or potential carcinogen:	N/A
First Aid for Inhalation:	Remove to fresh air if overcome by vapor.
First Aid for Eyes:	Irrigate with clean water and seek medical advice immediately.
First Aid for Skin:	Wipe off with dry cloth. Wash with soap and water; change clothing.
First Aid for Ingestion:	Seek medical advice immediately.
Routes of Entry for Inhalation:	Avoid prolonged breathing of vapors
Routes of Entry for Eyes:	Avoid contact with the eyes.
Routes of Entry for Skin:	Avoid repeated or prolonged skin contact.
Routes of Entry for Ingestion:	Do not take internally.

SECTION 9: SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES

- Handling and Storage:**
- Avoid prolonged breathing of vapors.
 - Keep away from heat, flame and sunlight.
 - Keep container tightly closed when not in use.
 - Keep in a cool, dry location
 - Use only in well ventilated areas.
- Steps if Spilled:**
- Do not allow spill to enter waterways
 - Contain and cover spill with an absorbent
 - Remove sources of ignition; ventilate
- Waste Disposal:**
- Dispose as usual industrial waste, soak up with industrial materials
 - Must conform to local, state and federal regulations

SECTION 10: SPECIAL PROTECTION INFORMATION

- Respiratory Protection:** General room ventilation is adequate.
- Ventilation:** Provide adequate cross air circulation
- Local Exhaust:** Preferable
- Mechanical:** Acceptance
- Special:** NIOSH Approved respirator for high vapor.
- Protective Gloves:** Chemical impervious
- Eye Protection:** Splash glasses
- Other Protection:** Eyewash station
- Work/Hygienic Practices:** Practice reasonable care and caution when using ink.

SPECIAL MESSAGE SECTION:

The hazards listed on this MSDS are taken from the MSDS for each of the ingredients in this mixture. In most cases, the maximum form of hazard is represented here. The TLV's represents the conditions under which is believed that nearly all workers may be repeatedly exposed day after day without adverse effect. It must be remembered that each individual reacts differently and some may experience discomfort while others do not. This MSDS is presented so that each individual will have the information to deal safely with the use of this product. All materials TSCA listed.

DISCLAIMER SECTION:

Disclaimer of Liability:

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