

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: EXOTHERMIC MAT

General Use: Used for making duplicates and masters of engraving dies.

Company: UEI™ Systems, A Division of Universal Engraving, Inc.
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2. HAZARDOUS INGREDIENTS

	CAS No.	OSHA PEL	ACGIH TLV
Woven fiberglass fabric			
Acetone	67-64-1	1000 ppm	750 ppm
Formaldehyde	50-00-0	0.75 ppm	

3. HAZARDS IDENTIFICATION

DO NOT breath dust from grinding or cutting of product.

Routes of Entry: Inhalation, Ingestion, and Skin Absorption.

Health Hazards (Acute and Chronic): Prolonged skin exposure can cause moderate irritation and/or dermatitis. Excessive inhalation can cause nasal and/or respiratory irritation, fatigue, weakness, confusion, euphoria, dizziness, and headache. Ingestion can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Carcinogenicity: Formaldehyde (<0.05% of the total product) is regulated by OSHA as a carcinogen and is defined by the International Agency for Research on Cancer and the National Toxicological Program as probably carcinogenic to humans based on limited evidence, with sufficient evidence in experimental animals.

Sign and Symptoms of Exposure: Fatigue, weakness, confusion, euphoria, dizziness, and headache. Ingestion can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

4. FIRST AID MEASURES

In all cases call a physician immediately.

INGESTION: If swallowed induce vomiting. If vomiting occurs keep head below hips to prevent aspiration.

INHALATION: Remove to fresh air.

EYE CONTACT: Flush eyes with large amounts of water for at least 15 minutes.

SKIN CONTACT: Flush skin with soap and large amounts of water for at least 15 minutes.

5. FIRE FIGHTING MEASURES

Flash Point: Acetone 0° F Flammable Limits: Acetone LFL= 2.6% UFL= 12.8%

Extinguishing Media: Water Spray, Carbon Dioxide, Dry Chemical Powder, or Appropriate Foam.

Special Fire Fighting Procedures: Prevent skin and eye contact.

Unusual Fire and Explosion Hazards: None.

6. ACCIDENTAL RELEASE MEASURES: Wear protective clothing. Gently sweep up. Use approved disposal method. Ensure compliance with local, state and federal regulations.

7. HANDLING AND STORAGE: Store at 0 degrees F. Thaw to room temperature before using. Exposure to excessive heat and humidity may cause unwanted curing of the product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use only in a well-ventilated area. Ideally ventilation should remove all dust particles from the work area.

PERSONAL PROTECTION: Wear rubber gloves and safety glasses (do not wear contact lenses). Safety shower and eye wash stations need to be located in work area. Wash thoroughly after handling product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Acetone: < 1.0% of product	Formaldehyde: < 0.05 % of product
Boiling Point: NA	Vapor Pressure: NA
Vapor Density(Air=1): NA	Specific Gravity: Solid
Solubility in Water: NA	pH: NA
Viscosity: Not Available	Evaporation Rate: NA
Melting Point: NA	Appearance/Physical State: Solid woven board in varying color.

10. STABILITY AND REACTIVITY

STABILITY: Stable CONDITIONS TO AVOID: Elevated temperatures will cure product. INCOMPATIBILITY: Strong acids, bases, oxidizers, and nitrating agents will cure product. HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal decomposition may produce carbon monoxide, carbon dioxide, aldehydes, oxides of nitrogen, formaldehyde, ammonia, and methanol. HAZARDOUS POLYMERIZATION: Does NOT polymerize.

11. OTHER INFORMATION

UEI™ Systems provides the information contained herein in good faith. It is believed to be correct. However it is not all inclusive and should be used only as a guide. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose. UEI™ Systems shall not be held liable for any damage resulting from handling or from contact with this product.

Abbreviations: PEL - Permissible Exposure Limit
TLV - Threshold Limit Value
NA - Not Applicable
LFL - Lower Flammable Limits
UFL - Upper Flammable Limits