

## Material Safety Data Sheet - Modeling Materials named “ZEN” and “FUSE”

**Product re-formulated to be CITES compliant as of 2/26/2010 (only applies to above named products)**

### Section 1: Manufacturer Identification

Telephone Number for Information: 931-461-5606

#### Exact % of ingredients in each product protected as Trade Secret.

Some of the products may OMIT some of the components listed below.

### Section 2: Composition Information, or Ingredients

Components may include:	CAS #	OSHA PEL	ACGIH TLV
Wax, Microcrystalline	63231-60-7	Not Applicable	None
Wax, Paraffin	8002-74-2	Not Applicable	None
Wax, Carnauba (Natural)	8015-86-9	Not Applicable	None
Wax, Beeswax (Refined and unrefined)	8006-40-4	Not Applicable	None
Stearin, Vegetable	555-43-1	Not Applicable	None
Rosin (Natural, Typically Pine)	8050-09-7	Not Applicable	None
Titanium Dioxide (Natural Mineral)	13463-67-7	Not Applicable	None
Proprietary Blend of : Natural minerals and natural clays	546-93-0 7782-42-5	Not Applicable	None
Mineral Oil and/or Petroleum Jelly	8042-47-5 8009-03-8	Not Applicable	None
Coconut Oil ( Natural)	8001-31-8	Not Applicable	None
Liquid Lanolin ( Made from wool )	8006-54-0	Not Applicable	None

### Section 3: Physical/Chemical Characteristics

<i>Boiling Point:</i>	<350°F	<i>Melting Point:</i>	Approx. 180°F
<i>Vapor Pressure (mm Hg):</i>	NDA	<i>Vapor Density (Air=1):</i>	>1
<i>Specific Gravity (H<sub>2</sub>O=1):</i>	~ 1	<i>Evaporation Rate(Butyl Acetate=1):</i>	Nil
<i>Appearance, color &amp; odor:</i>	Light to Medium Opaque Gray/ Variant is pink/Tan	<i>Solubility in Water:</i>	Nil

### Section 4: Fire and Explosion Hazard Data

<i>Flash Point (method used):</i>	Estimated <400 (based on formulation)
<i>Flammable Limits:</i>	NDA
<i>Extinguishing Media:</i>	CO <sub>2</sub> , Foam, Dry Chemical and Water Fog
<i>Special Fire Fighting Method:</i>	Wear self contained breathing gear in confined areas.
<i>Unusual Fire/Explosion Hazard:</i>	Heat only in open area and with proper equipment. Excessive heat can cause material to catch fire. Avoid open flame and application of direct heating elements.

### Section 5: Reactivity Data

<b>Stability:</b> <i>Unstable:</i> <i>Stable:</i> X	
<b>Conditions to Avoid:</b> Strong Oxidants ; excessive heat	<b>Incompatibility:</b> Strong Oxidants
<b>Hazardous Decomposition or Byproducts:</b> Carbon Monoxide and other toxic fumes if burned , scorched , or heated excessively.	
<b>Hazardous Polymerization:</b> Unkown	<b>Conditions to Avoid:</b> Inadequate ventilation

## Section 6 Health Hazard Data

**Routes of Entry:** Inhalation? NA Skin? NA Ingestion? NA  
**Health Hazards (acute and chronic):** Possible Nausea upon ingestion. Some with sensitive skin should either test or avoid.  
**Carcinogenicity:** Unknown, though is believed safe (based upon formulation and published data). *IARC Monographs?* NA  
**Regulated?** No  
**Medical Conditions Aggravated by Exposure:** Possible allergic reaction to sensitive skin. Can burn skin when melted. Persons with any allergies to nut products or other plant materials should use precaution when handling.  
**Emergency and First Aid:** If melted, remove product and treat as a thermal burn. Product should be cooled as soon as possible.

## Section 7 Precautions for Safe Handling and Use

*Steps to be Taken In Case Material is Spilled or Released:* If melted and spilled, confine spill, cool and recover.  
*Waste Disposal Method:* Compliance with applicable local, state, and federal regulations is solely the responsibility of user/purchaser.  
*Precautions to be Taken in Storing and Handling:* Store away from open flame, strong oxidizers and heat. Good hygiene during and after handling is important for any non-food material. Use good common sense.  
*Other Precautions:* When melted, adequate ventilation is very important. Fire hazard when melted or exposed to open flame. Those with any allergies to nut products or other plant materials should use precaution when handling. Good hygiene practices when eating or drinking after or during use of these products are important.

## Section 8 Control Measures

*Respiratory Protection (Specify Type):* Normally not required, though adequate ventilation is extremely important when melting.  
*Local Exhaust:* Adequate to capture fumes. *Mechanical(general):* NA *Special:* NDA *Other:* NA  
*Protective gloves:* Required only when Hot.  
*Eye Protection:* Safety Glasses when melting  
*Other Protective Equipment or Clothing:* NA  
*Work/Hygiene Practices:* Generally safe workplace practices. Adequate ventilation when melting.

## Section 9 Other Information

*References:* Published MSDS 's of product's components, personal experience, personal knowledge, and as much testing as was available at time of publication.

*NFPA Ratings:* Health:1 Flammability:1 Reactivity:0

Compatibility tests should be conducted to ensure clean release and no damage when using this product with other materials such as release agents or molding compounds, or when casting this product into or onto molds. Climate and seasonal changes will affect this product. Summer heat, especially during transportation, can soften wax considerably and if not packaged properly could lead to damage of finished works. Cold weather can make wax products more brittle and prone to breakage.

Also note that these products are made for studio use. Shipping or mailing completed works of art in any non-permanent material such as wax can be risky due to exposure of uncontrolled climates and due to handling.

Please note that we have made good faith effort at the information's accuracy and usefulness, but can take no responsibility for its use, misuse, or inaccuracy. We have not verified this information and cannot guarantee that it is up-to-date. This document is intended only as a guide to use of the material by a knowledgeable and properly trained user. Individuals using this product must exercise their independent judgment in determining its appropriateness for a particular purpose. The user should consider and investigate all aspects before using the product or the information contained within. Users of this material should satisfy themselves by independent investigation of current scientific and medical information that this material is safe for their use.

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## Material Safety Data Sheet - Modeling Materials under various names including: Max-11, 3Sixty, 360, Ice, Vapor, Air, Ether, Steam, Mist, Water, Earth, Fire, Metal, Wood, Stone

### Separate MSDS for Products named : "FUSE" and ZEN"

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<i>Specific Gravity (H<sub>2</sub>O=1):</i>	~ 1	<i>Evaporation Rate(Butyl Acetate=1):</i>	Nil
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**Stability:** *Unstable:*      *Stable:* X

**Conditions to Avoid:** Strong Oxidants ; excessive heat

**Hazardous Decomposition or Byproducts:** Carbon Monoxide and other toxic fumes if burned , scorched , or heated excessively.

**Hazardous Polymerization:** Unkown

**Incompatibility:** Strong Oxidants

**Conditions to Avoid:** Inadequate ventilation

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