

## RESIN OBSESSION DEEP POUR CASTING RESIN - PART 2: HARDENER - CLEAR

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**1. Identification of the Preparation and of The Company**

Product Name and/or code: Resin Obsession Deep Pour Casting Resin - Part 2: Hardener - Clear

Effective Date: 30-Apr-20

Manufacturer: Resin Obsession, LLC  
5200 NW 43rd Street  
Gainesville, FL 32606

Information Contact: 352-283-2841

Emergency Contact: Katherine Swift

Chemtrec (24 hours) Contact your local Poison Control Center.

Product Use: Jewelry Making and Crafts

**2. Hazards Identification****Emergency Overview**

**DANGER!** CORROSIVE. CONTACT CAUSES SEVERE EYE DAMAGE AND SKIN BURNS. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN. VAPOR HARMFUL.

*Classification of the Product:*

Hazardous product

**Label Elements**

Conforms to ASTM D-4236

Hazard Pictograms



GHS05

GHS07

GHS09

Signal Word

**DANGER!**

Hazard Statement

Corrosive. Contact causes severe eye damage and skin burns. May cause an allergic skin reaction. May be harmful if swallowed or absorbed through skin. Vapor harmful.

Precaution Statement:

Handle with care. Do not get in eyes or skin. Do not swallow. Use only with adequate ventilation. Wear eye protection. Wear protective gloves and clothing. Wash thoroughly after handling. *Be cautious with spills, do not splash.*

Children's Statement

**KEEP OUT OF REACH OF CHILDREN.**

NFPA

Health: 3

Flammability: 0

Reactivity : 1

HMIS

Health : 3

Flammability: 0

Physical Hazard: 1

Regulation (EC) No. 1272/2008 (CLP)

***Studies have not been performed on this particular mixture. The information below is based on data on the individual hazardous ingredient.***

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**Amine Curing Agents:** Harmful if swallowed (H302); Harmful if swallowed or in contact with skin (H312); Causes serious eye damage (H318); Toxic to aquatic life with long lasting effects (H411)

**3. Composition/Information on Ingredients:****Substances:**

Mixture of the following chemicals: Amine Curing Agents (Proprietary) < 100 %

*Regulation (EC) No. 1272/2008 (CLP)*

*Ingredients are marked according to CLP Regulation (CLP-Regulation (EC) No 1272/2008) and no workplace-related occupational exposure limits are specified for any of the listed ingredients. These ingredients are regarded as trade secrets.*

**4. First Aid Measures**

Inhalation	If you experience difficulty in breathing, call physician immediately.
Skin Contact	Immediately wash with water; if irritation occurs, <b>call physician immediately.</b>
Eye Contact	Flush immediately with plenty of water for 15 minutes, <b>call physician immediately.</b>
Ingestion	DO NOT induce vomiting. <b>Call physician immediately.</b>

**5. Firefighting Measures**

Extinguishing Media	Water, foam, carbon dioxide or dry chemical equipment.
Fire/Explosion Hazards	This product is not known to present any fire hazard.
Flashpoint/Flammability	Not flammable ( <i>Literature Value</i> )

**6. Accidental Release Measures**

Methods and Materials for Containment and Cleaning up	Contain spill. Recover as much as possible. Absorb remainder with an inert material. Place into closed container and store in a safe location to await disposal. Wash the spill area with soap and water.
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**7. Handling and Storage**

Safe Handling	Use under ventilated conditions. Avoid eye and skin contact. For personal protection, we recommend that employees wash thoroughly after handling product. Always wash before eating, smoking or using toilet facilities. Keep container closed when not in use. Keep container upright to prevent leakage.
Environmental precautions	No product should be released to the environment. Keep container closed when not in use. Keep container upright to prevent leakage.
Storage	Store between 50-100 deg. F., ideally 70 deg. F.

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**8. Exposure Controls/Personal Protection**

Personal Protective Equipment	Wear protective eye wear, gloves and clothing to avoid contact with eyes and skin. <i>Be cautious with spills, do not splash.</i> Wear water resistant impervious gloves if handling bulk amounts.
Exposure Limits	None known for this mixture.
Respiratory and Ventilation	Wear approved NIOSH/MSHA respirator if exposure to mist or vapor exceed applicable PEL/TLV limits. Use in accordance with manufacturer's use limitations and OSHA STANDARD 1910-34. Local ventilation may be used to prevent routine inhalation.
Skin Protection	Wear protective gloves and clothing. Wear water resistant impervious gloves if handling bulk amounts.
Eye Protection	Wear goggles with side shields.

**9. Physical and Chemical Properties**

Appearance	Clear viscous liquid.
Physical State	Liquid
Color	Clear
Odor	Strong smell. (Pungent, Ammonia - like)
Odor Threshold	No data available for this mixture.
Boiling Point	No data available for this mixture.
Freezing Point	< 68°F (-20°C) ( <i>Literature value</i> )
State (pH)	11.6 ( <i>Literature value</i> )
Specific Gravity	No data available for this mixture.
Viscosity	110 mm <sup>2</sup> /s (Kinematic) ( <i>Literature value</i> )
Flashpoint	425.3°F (218.5°C) ( <i>Literature value</i> )
Vapor Pressure	6.82 hPa (20 °C) ( <i>Literature value</i> )
Vapor Density	1 ( <i>Literature value</i> )
Solubility in water	562 g/l ( <i>Literature value</i> )

**10. Stability and Reactivity**

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability	Stable
Conditions to Avoid	Strong oxidizing agents, acids
Incompatible materials	Strong oxidizing agents, acids
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, nitrogen oxides

**11. Toxicological Information**

*Studies have not been performed on this particular mixture. The information below is based on data on the individual hazardous ingredient.*

**When used and handled according to specifications, the product does not have any harmful effects.**

Health Effects	None known for the usual and ordinary uses of this mixture.
Acute Toxicity	Not determined for this mixture.

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Acute Toxicity	Amine Curing Agents - Oral: LD50 (Rat, male and female): 550 mg/kg Method: OECD Test Guideline 425 ( <i>Literature value</i> )
Eye Effects	Amine Curing Agents - Dermal: LD50 (Rat, male and female): > 1,000 mg/kg Method: OECD Test Guideline 402 ( <i>Literature</i>
Skin Effects	Causes severe eye damage.
Inhalation	Contact causes skin burns. May be harmful if absorbed through skin.
Sensitization	Vapor harmful.
Ingestion	May cause allergic skin reaction.
Chronic Effects	No data available for this mixture. May be harmful if swallowed.
<u>Additional toxicological information:</u>	No data available for this mixture. When used and handled according to specifications, the product does not have any harmful effects according to past experience and information provided. No harmful effects have been reported by the manufacturer.

<b>12. Ecological Information</b>
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Toxicity:	No information available for the mixture. No product should be released to the environment.
Aquatic toxicity	Amine Curing Agents: Toxic to aquatic life with long-lasting effects.
Persistence and degradability	No data available for this mixture.
Bioaccumulate potential	No data available for this mixture.
Mobility in soil	No data available for this mixture.
<i>PBT and vPvB</i>	No data available for this mixture.
Additional ecological information	As a general rule, no product should be released to the environment.

<b>13. Disposal Considerations</b>
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Dispose of all waste material in accordance with all applicable federal, state and local regulations. Outside North America, all relevant national and local legislation must be complied with.

<b>14. Transport Information</b>
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<b>Art Material - CONSUMER PRODUCT</b>
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**DOT**

<b>PROPER SHIPPING NAME</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>TECHNICAL NAME</b>	Trimethylolpropane Polyoxypropylene Triamine
<b>PRIMARY HAZARD CLASS/DIVISION</b>	9
<b>UN/NA NUMBER</b>	3082
<b>PACKING GROUP</b>	III
<b>MARINE POLLUTANT #1</b>	Yes
<b>ICAO/IATA</b>	
<b>SHIPPING NAME</b>	Environmentally hazardous substance, liquid, n.o.s.

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<b>PRIMARY HAZARD CLASS/DIVISION</b>	3082
<b>PACKING GROUP</b>	III
<b>VESSEL (IMO/IMDG)</b>	
<b>SHIPPING NAME</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>TECHNICAL NAME</b>	Trimethylolpropane Polyoxypropylene Triamine
<b>UN/NA NUMBER</b>	9
<b>PRIMARY HAZARD CLASS/DIVISION</b>	3082
<b>PACKING GROUP</b>	III
<b>MARINE POLLUTANT #1</b>	Yes

**CANADA TRANSPORT OF DANGEROUS GOODS**

<b>SHIPPING NAME</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>TECHNICAL NAME</b>	Trimethylolpropane Polyoxypropylene Triamine
<b>UN/NA NUMBER</b>	9
<b>PRIMARY HAZARD CLASS/DIVISION</b>	3082
<b>PACKING GROUP</b>	III

*This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the materials.*

<b>15. Regulatory Information</b>
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Safety, health and environmental regulations/legislation specific for the substance or mixture.

SARA	Not applicable to this mixture.
Section 355 (extremely hazardous substances)	Not applicable to this mixture.
Section 313 (specific toxic chemical listing)	Not applicable to this mixture.
TSCA (Toxic Substance Control Act)	All ingredients are listed.
Carcinogenicity categories	Not applicable to this mixture.
EPA (Environmental Protection Agency)	Not applicable to this mixture.
TLV (Threshold Limit Value established by ACGIH)	Not applicable to this mixture.
NIOSH (National Institute for Occupational Safety & Health)	Not applicable to this mixture.
OSHA (Occupational Safety & Health Administration)	Not applicable to this mixture.
MAK (German Maximum Workplace Concentration)	Not applicable to this mixture.

<b>16. Other Information</b>
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Reason for Issue:	GHS Format
Prepared by:	Rudolph J. Jaeger, Ph.D., DABT, ERT (UK) Chief Toxicologist and President

## RESIN OBSESSION DEEP POUR CASTING RESIN - PART 2: HARDENER - CLEAR

ENVIRONMENTAL MEDICINE, INC.

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**Abbreviations and acronyms:**

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**NFPA (SCALE 0-4) National Fire Protection Association (USA)**

Health: 3

Fire: 0

Reactivity: 1

Warning. Corrosive or toxic. Avoid skin contact or inhalation.  
Not combustible.

Caution. May react if heated or mixed with water but not violently.

**HMIS (SCALE 0-4) Hazardous Materials Identification System (USA)**

Health: 3

Fire: 0

Physical Hazard: 1

Major injury likely unless prompt action is taken and medical treatment is given.

Materials that will not burn.

Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

**Exposure Limits**

TWA - Time Weighted Average (8 hr.)

STEL - Short Time Exposure Limit (15 min.)

REL - Recommended Exposure Limit

PEL - Permissible Exposure Limit

IDLH - Immediately Dangerous to Life or Health