



# AMERICAN TOOTH INDUSTRIES


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## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>PRODUCT NAME</b>	Justi Resin Cement Powder
<b>Product Description</b>	Methacrylate Copolymer
<b>Manufacturer</b>	American Tooth Industries 1200 Stellar Drive Oxnard, CA 93033 805-487-9868 Emergency Phone Number: Infotrac: 800-352-5053
<b>Recommended use</b>	A unique copolymer offering greater adhesive properties and insolubility. Justi Resin Cement offers a lower film thickness and is radio-opaque.
<b>Restrictions on use</b>	Industrial use only

### 2. HAZARDS IDENTIFICATION

<b>Hazard classification</b>	<b>Physical, Health, Environmental</b> Eye Damage/Irritation-Category 2B
<b>OSHA Defined Hazards</b>	Combustible dust, may form combustible dust concentrations in air, explosion hazard
<b>Signal Word</b>	Warning
<b>Hazard Statements</b>	H320 Causes eye irritation
<b>Symbol</b>	
<b>Precautionary statements</b>	P240 Ground and bond container and receiving equipment P264 Wash hands and exposed skin thoroughly after handling P280 Wear protective gloves/protective

clothing/eye protection/face protection  
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P337+P313 Get medical advice/attention

**Other hazards** N/A

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Statement for unknown toxicity N/A  
Chemical name Methacrylate Copolymer  
Common name/synonyms N/A

Impurities and stabilizing additives\*

Chemical Name	Weight -%	CAS Number
Particulates, NOC	90-100	NE
Residual Monomer	1-5	N/A

\*Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret is required.

### 4. FIRST AID MEASURES

#### **General Advice**

Provide the SDS to medical personnel for treatment.

#### **Inhalation:**

Remove victim to fresh air. Seek immediate medical attention.

#### **Eye Contact:**

If product gets in the eyes, flush with lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

#### **Skin Contact:**

Rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

#### **Clothing:**

Remove contaminated clothing, wash thoroughly before reuse.

**Ingestion:** If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

## 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Water, Chemical (alcohol-resistant) foam, dry chemical, or carbon dioxide.

### **Unsuitable Extinguishing Media**

Water may not be effective in extinguishing this fire.

### **Specific Hazards Arising from the Chemical**

Polymers are combustible dusts, care should be taken to avoid creating explosive concentrations in the air. Follow grounding and bonding procedures.

### **Special Fire Fighting Procedures**

Avoid extinguishing methods, which may generate dust clouds. Water stream can disperse dust into air producing a fire hazard and possible explosion hazard if exposed to ignition source. Firefighters should wear self-contained breathing apparatus.

### **Protective Equipment and Precautions for Firefighters**

Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Polymers are sensitive to static discharge, follow grounding and bonding procedures. Polymers are not sensitive to mechanical impacts.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment and Emergency Procedures**

#### **Personal Precautions**

Before cleaning any spill or leak, individuals must wear appropriate Personal Protective Equipment that is specified in section 8. Keep airborne particulates at a minimum when cleaning up spills. Deny entry to all unprotected individuals. Remove any contaminated clothing and wash thoroughly before reuse.

#### **Environmental Precautions**

Extinguish all ignition sources. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

### **Methods and Material for Containment and Cleaning Up**

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so. Dike and contain spill with inert material (e.g. sand or earth). May contaminate water supply.

#### **Methods for Cleaning Up**

Maximize ventilation (open doors and windows) and secure all sources of ignition. Use good, local ventilation with a minimum capture velocity of 100 ft/min (30 m/min) at point of product release. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap. Not a RCRA Hazardous waste.

## 7. HANDLING AND STORAGE

### **Precautions for Safe Handling**

#### **Advice on Safe Handling**

Use in well ventilated areas. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use good personal hygiene and housekeeping. Avoid prolonged contact with the product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

### **Conditions for Safe Storage, Including any Incompatibilities**

#### **Storage Conditions**

Store containers in a cool, dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat. The temperature should remain at or under 72°F (22°C) at all times. Storing above recommended temperature will cause product performance issues. Store in accordance with National Fire Protection Association recommendations. Observe all label precautions until the container is cleaned, reconditioned, or destroyed.

#### **Incompatible Materials**

Strong oxidizers, strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**OSHA Permissible Exposure Limits** N/A

**ACGIH Threshold Limit Values** N/A

**Other limitations recommended by manufacturer** N/A

### **Engineering Controls**

Use local explosion-proof ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

### **Personnel Protective Equipment (PPE)**

#### **Respiratory Protection**

A respirator should be worn whenever workplace conditions warrant use of a respirator. If dust conditions are present, a N95 respirator dust mask is required. None required if airborne concentrations are maintained below any exposure limit that may be listed above. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134 or other appropriate governing standard.

#### **Eye/Face Protection**

Wear safety glasses, chemical goggles when splashing is possible, when dealing with this material. If necessary, refer to U.S. OSHA 29 CFR §1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

#### **Skin and Body Protection**

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove

removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact:

Material: Nitrile rubber

Minimum layer thickness: 0.4 mm

Break through time: 480 min

Splash contact:

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 120 min

### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. An eyewash station and a safety shower are recommended. Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Wash hands thoroughly before eating, drinking, or smoking.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear
<b>Physical State:</b>	Powder
<b>Odor:</b>	Faint
<b>Flash Point:</b>	579° F, 304 °C
<b>Flammable Limit (Air Volume%, Lower/Upper)</b>	0%
<b>Autoignition Temperature:</b>	N/A
<b>Evaporation Rate</b>	No data available
<b>Boiling Range (low - high)</b>	N/A
<b>Specific Gravity</b>	0.00

## 10. STABILITY AND REACTIVITY

### Material stability

Stable

### Incompatible materials

Strong oxidizers

### Hazardous decomposition products

Methacrylate Monomer and Oxides of Carbon when burned

### Possibility of hazardous reactions

Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

### **Mixture Toxicity**

### **Component Toxicity**

### Routes of Exposure

Inhalation      Eye Contact      Ingestion

### Target Organs

No data available

**Effects of Overexposure**

No Data Available

**Product Components Listed as Carcinogenic**

<u>CAS Number</u>	<u>Description</u>	<u>%Weight</u>	<u>Carcinogen Rating</u>
None			No date available

12. ECOLOGICAL INFORMATION (If available)

Component Ecotoxicity: N/A

13. DISPOSAL CONSIDERATIONS (If applicable)

**Waste Treatment Methods**

**Disposal of Wastes**

Dispose waste material in accordance with Federal, State, and Local regulations. It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste. Comply with all applicable federal, state and local regulations. Waste disposal options include landfilling solids at permitted sites. Incinerate in a chemical incinerator equipped with an afterburner and scrubber. Use registered transporters.

**Contaminated Packaging**

Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual flammable material, associated with empty containers. Dispose of all empty containers properly, in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION (If applicable)

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not Regulated, Polymer, NOS			
IATA	Not Regulated, Polymer, NOS			
IMDG	Not Regulated, Polymer, NOS			

15. REGULATORY INFORMATION (If available)

**State of California Safe Drinking Water and Toxic Enforcement Act of 1986**

**(Proposition 65):** WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- None

**SARA 313**

-None

**US State Right-to-Know Regulations**

-None

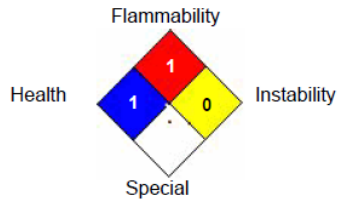
<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
	EINECS	Yes

16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	1	<b>HMIS &amp; NFPA Hazard Rating Legend</b> * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY	1	
PHYSICAL HAZARD	0	
PERSONAL PROTECTION	B	

National Fire Protection Association (NFPA)



Date of Revision: 2/29/16

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