AMERICAN TOOTH INDUSTRIES
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SAFETY DATA SHEET

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

PRODUCT NAME	Justi Temporary Crown & Bridge Resin Powder (All Colors)
Product Description	Methacrylate Polymer
Manufacturer	American Tooth Industries 1200 Stellar Drive Oxnard, CA 93033 805-487-9868 Emergency Phone Number: Infotrac: 800-352-5053
Recommended use	An autopolymerizing self-cure powder resin for fabricating a crown, bridge or splint. It is very hard, color stable, easy to polish and comes in light, medium, and dark shade.
Restrictions on use	Cosmetic or Dental use only

2. HAZARDS IDENTIFICATION

Hazard classification	**Physical, Health, Environmental** Eye damage/irritation-Category 2A Skin sensitizer-Category 1
Signal Word	Warning
Hazard Statements	H317 May cause an allergic skin reaction H319 Causes serious eye irritation
Symbol	

Precautionary statements

P240 Ground and bond container and receiving equipment
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P264 Wash hands and exposed skin thoroughly after handling
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection/face protection
P321 Specific treatment (see … on this label)
P363 Wash contaminated clothing before reuse
P302+P352 IF ON SKIN: Wash with soap and water
P305+P351
+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to
do – continue rinsing
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P337+P313 Get medical advice/attention
P501 Dispose of contents/container to an authorized disposal facility

Other hazards N/A

3. COMPOSTITION/INFORMATION ON INGREDIENTS

Statement for unknown toxicity: See table below for required information including percentage of unknown toxicity in mixture

Chemical name: Methacrylate Polymer

Common name/synonyms: Poly Ethylmethacrylate

Impurities and stabilizing additives*

Chemical Name	Weight -%	CAS Number
2-Propenoic acid, 2-methylethyl ester, homopolymer	90-100	9003-42-3
Benzoyl Peroxide	1-5	94-36-0
Titanium Dioxide	0-1	13463-67-7

*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.
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.
Eye Contact	If product gets in the eyes, flush with lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.
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.
Clothing	Remove contaminated clothing, wash thoroughly before reuse.

Most important symptoms or effects, both acute and delayed:

N/A

Indication of immediate medical attention and special treatment needed:

N/A

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.
Special hazards arising from substance	Polymers are combustible dusts, care should be taken to avoid creating explosive concentrations in the air. Follow grounding and bonding procedures.
Special Firefighting 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.

Special protective equipment and Precautions for fire fighters

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 bounding procedures. Polymers are not sensitive to mechanical impacts.

6. ACCIDEDNTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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 materials 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

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.

Storage

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

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
2-Propenoic acid, 2-methyl-, ethyl ester, homopolymer 9003-42-3			
Benzoyl Peroxide 94-36-0	5 mg/m3 TWA	5 mg/m3 TWA	NIOSH: 5 mg/m3 TWA
Titanium Dioxide (CI 77891) 13463-67-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	

Appropriate 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.

Personal Protective Equipment

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

Appearance	Clear
Color	N/A
Odor	Faint
Odor Threshold	N/A
pH	N/A
Melting Point	N/A
Freezing Point	N/A
Initial Boiling Point	N/A
Boiling Range	N/A
Flash Point	579 F, 304°C
Evaporation Rate	N/A
Flammability (solid, gas)	0%
Upper/Lower Flammability limits	N/A
Explosive Limits	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Relative Density	N/A
Solubility	N/A
Partition Coefficient: n-octano/water	N/A
Auto-ignition Temperature	N/A
Decomposition Temperature	N/A
Viscosity	N/A

10. STABILITY AND REACTIVITY

Reactivity	N/A
Chemical Stability	Stable
Hazardous Reactions	Hazardous polymerization will not occur
Conditions to avoid	Enter Information here
Materials to avoid	Enter Information here
Hazardous Decomposition Products	Methacrylate polymerization will not occur

11. TOXILOGICAL INFORMATION

Mixture Toxicity

Component Toxicity N/A

Routes of Exposure:

Inhalation	Yes
Ingestion	Yes
Skin	N/A
Eye	Yes

Target organs Eyes, Lungs, Skin and Respiratory System

Effects of Overexposure

Inhalation	Overexposure by inhalation of titanium dioxide may include mild and temporary upper respiratory irritation with cough and shortness of breath.
Skin Contact	N/A
Eye Contact	N/A
Ingestion	N/A

Product Components Listed as Carcinogenic

CAS Number	Description	%Weight	Carcinogen Rating
13463-67-7	Titanium Dioxide (CI 77891)	0.1 to 1.0%	Titanium Dioxide (CI 77891):NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed

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)

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
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:
13463-67-7 Titanium Dioxide (CI 77891) 0.1 to 1.0 % Carcinogen

SARA 313

Benzoyl Peroxide 94-36-0

US State Right-to-Know Regulations

- None

Country	Regulation	All Components Listed
	EINECS	Yes
	SARA Hazard Categories	No
	TSCA	Yes

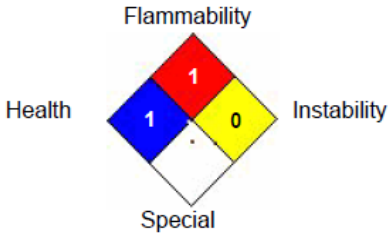
16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

HMIS & NFPA Hazard Rating Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



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