



AMERICAN TOOTH INDUSTRIES

1200 Stellar Drive • Oxnard, CA 93033-2404 • (805) 487-9868
Corporate e-mail: info@americantooth.com • www.americantooth.com

SAFETY DATA SHEET

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

PRODUCT NAME	Justi Repair Material Powder (Regular & Fibered Pink)
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	A universal type repair material, applicable for repairing all types of acrylic dentures, temporary prosthesis and indirect reline. This self-curing methyl-methacrylate material is cross-linked and internally pigmented to give a dense, even texture.
Restrictions on use	Industrial use only

2. HAZARDS IDENTIFICATION

Hazard classification	Physical, Health, Environmental Eye Damage/Irritation-Category 2B Reproductive Toxicity-Category 2
Signal Word	Warning
Hazard Statements	H320 Causes eye irritation H361 Suspected of damaging fertility or the unborn child
Symbol	



Precautionary statements

P201 Obtain special instructions before use
 P202 Do not handle until all safety precautions have been read and understood
 P240 Ground and bond container and receiving equipment
 P264 Wash hands and exposed skin thoroughly after handling
 P281 Use personal protective equipment as required
 P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
 P308+P313 IF exposed or concerned: Get medical advice/attention
 P337+P313 Get medical advice/attention
 P405 Store locked up
 P501 Dispose of contents/container to an authorized disposal facility

Other hazards

N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Statement for unknown toxicity

N/A

Chemical name

Chemically Activated, Cadmium Free, Pink, Fibered, Methacrylate Polymer

Common name/synonyms

N/A

Impurities and stabilizing additives*

Chemical Name	Weight -%	CAS Number
Polymethyl Methacrylate	80-90	9011-14-7
Diethyl Phthalate	10-20	84-66-2

*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.

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 protective equipment and Precautions for Firefighters

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.

6. ACCIDENTAL 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

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 and materials 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.

Storage temperature

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

5 mg/m³ TWA

Other limitations recommended by manufacturer

5 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.

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

Appearance	Pink
Physical State	Powder
Odor	Faint
Boiling Range	295°C
Flash Point	579 F, 304 °C
Evaporation Rate	N/A
Upper/Lower Flammability limits	0%

10. STABILITY AND REACTIVITY

Reactivity	Stable
-------------------	--------

Chemical Stability	Stable
Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to avoid	N/A
Materials to avoid	Strong oxidizers
Hazardous Decomposition Products	Methacrylate Monomer and Oxides of Carbon when burned.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure

Inhalation Eye Contact Ingestion

Target Organs

Eyes Central, Nervous System, Reproductive System, Skin Peripheral,
Nervous System, Respiratory System

Effects of Overexposure

Product Components Listed as Carcinogenic

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

12. ECOLOGICAL INFORMATION (If available)

Component Ecotoxicity

Diethyl Phthalate

96 Hr LC50 Pimephales promelas: 17 mg/L [flow through]; 96 Hr LC50 Pimephales promelas: 16.8 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 22 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 16.7 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 12 mg/L [flow-through]
48 Hr EC50 Daphnia magna: 36 - 74 mg/L; 48 Hr EC50 Daphnia magna: 86 mg/L [Static]
72 Hr EC50 Desmodesmus subspicatus: 23 mg/L; 72 Hr EC50 Desmodesmus subspicatus: 23 mg/L [static]; 96 Hr EC50 Desmodesmus subspicatus: 21 mg/L;
96 Hr EC50 Desmodesmus subspicatus: 21 mg/L [static]; 72 Hr EC50 Pseudokirchneriella subcapitata: 42 - 255 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: 2.11 - 4.29 mg/L [static]

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

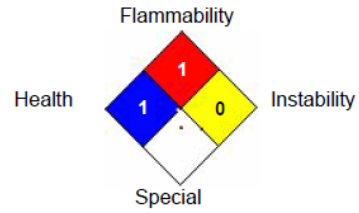
<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
	EINECS	Yes
	SARA Hazard categories	No
	TSCA Inventory	Yes

16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	1	HMIS & NFPA Hazard Rating Legend * = 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: 12/11/15

American Tooth Industries believes that the information and recommendations contained herein (including data and statements) are accurate as of date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use are beyond the control of American Tooth Industries expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.