



AMERICAN TOOTH INDUSTRIES

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SAFETY DATA SHEET

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

PRODUCT NAME:	Justi Denture Base Powder: All shades
Product Description:	Heat, Curable, Clear, Plasticized Methacrylate Polymer
Manufacturer :	American Tooth Industries 1200 Stellar Drive Oxnard, CA 93033 805-487-9868 Emergency Phone Number: Infotrac: 800-352-5053
Recommended use:	The high quality cross-linked polymer prevents crazing from solvents such as ether, alcohol, monomer, acetone, etc. This material will bond with any solvent resistant teeth.
Restrictions on use:	N/A

2. HAZARDS IDENTIFICATION

Hazard classification	Physical, Health, Environmental
Signal Word:	Danger
Hazard Statements	
H320:	Causes eye irritation.
H360:	May damage 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+313:	Get medical advice attention.
P405:	Store locked up
P501:	Dispose of contents/container to an authorized disposal facility
Other hazards	Combustible dust, may form combustible dust concentrations in air, explosion hazard

3. COMPOSITION/INFORMATION ON INGREDIENTS

Statement for unknown toxicity:	N/A
Chemical name:	Heat Curable, Clear, Plasticized Methacrylate Polymer
Common name/synonyms:	Blend of Copolymers & Plastic
Impurities and stabilizing additives:	N/A

Chemical Name	Weight-%	CAS Number	GHS Ratings
Plasticized acid, 2-methyl-	90-100%	9003-42-3	Eye damage/Irritation

ethyl ester, homopolymer			2B (H320)
Dibutyl Phthalate	1-5%	84-72-2	Reproductive Toxicity 1B (H360) Aquatic Toxicity A1 (H400)

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

4. FIRST AID MEASURES

Description of 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.

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: 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: 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. 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. Store in accordance with National Fire Protection Association recommendations. Observe all label precautions until the container is cleaned, reconditioned, or destroyed.
Storage temperature:	The temperature should remain at or under 72°F (22°C) at all times. Storing at above recommended temperature will cause product performance issues.
Incompatible materials:	Strong oxidizers, strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA Permissible Exposure Limits For Dibutyl Phthalate 84-72-2:	5 mg/m ³ TWA
ACGIH Threshold Limit Values:	5 mg/m ³ TWA
Other limitations recommended by manufacturer:	NIOSH: 5 mg/m ³ 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:

Splash contact:

Material:

Nitrile rubber Material: Nitrile rubber

Minimum layer thickness:

0.4 mm Minimum layer thickness: 0.11 mm

Break through time:

480 min 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:

Fine pink powder

Color:

Clear, may contain red fibers

Odor:

Faint

Odor Threshold:

N/A

pH:

N/A

Melting Point:

N/A

Freezing Point:

N/A

Initial Boiling Point:

N/A

Boiling Range:

340°C

Flash Point:

576 F, 302°C

Evaporation Rate:

No data available

Flammability (solid, gas):

N/A

Upper/Lower Flammability limits:

Air volume %, 0%

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:	402°C
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:	N/A
Materials to avoid:	N/A
Hazardous Decomposition Products:	Methacrylate Monomer and Oxides of carbon when burned.

11. TOXICOLOGICAL INFORMATION

Identify likely routes of exposure:

Inhalation	Routes of exposure
Ingestion:	Routes of exposure
Skin:	N/A
Eye:	Target organs

Description of delayed, immediate or chronic effects from short term and long term exposure:

N/A

Description of symptoms:

N/A

Listed in the National Toxicology Program (Y/N): N/A

12. ECOLOGICAL INFORMATION (If available)

Component Ecotoxicity

Dibutyl Phthalate: 96 Hr LC50 Pimephales promelas: 0.71 - 1.2 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 0.31 - 5.45 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: >1.24 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 1.24 - 5.3 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 1.38 - 1.74 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 0.42 - 1.28 mg/L [static] 48 Hr EC50 Daphnia magna: 2.99 mg/L [Static]; 48 Hr EC50 Daphnia magna: 3.4 mg/L 72 Hr EC50 Desmodesmus subspicatus: 1.2 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: 0.4 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. 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. 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>
IMDG	Not Regulated, Polymer, NOS			
DOT	Not Regulated, Polymer, NOS			
IATA	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:

84-74-2 Dibutyl Phthalate 1 to 5 % Teratogen

SARA 313:

Dibutyl Phthalate 84-74-2

US State Right-to-Know Regulations:

- None

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

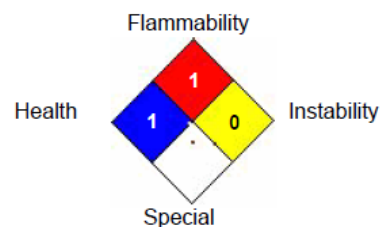
16. OTHER INFORMATION

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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