



AMERICAN TOOTH INDUSTRIES


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SAFETY DATA SHEET

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

PRODUCT NAME	Impak Powder: All Shades
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	IMPAK can also be used to fabricate bruxism appliances with hard biting surfaces, night retainers following orthodontic correction, or as a retainer for surgical packs and splints.
Restrictions on use	For Professional Use Only

2. HAZARDS IDENTIFICATION

Hazard classification	Physical, Health, Environmental
Signal Word	Danger
Hazard Statements	WARNING: Combustible dust, may form combustible dust concentrations in air, explosion hazard.
Symbol	Irritant (Xi) 
Precautionary statements	EYE: Can cause eye irritation.

SKIN:
Can cause skin irritation.

INHALATION:
Can cause respiratory irritation

Other hazards N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Statement for unknown toxicity N/A.
Chemical name METHACRYLATE POLYMER
Common name/synonyms Polymer
Impurities and stabilizing additives* N/A This product is not under GHS.

Chemical Name	Weight -%	CAS Number
METHACRYLATE POLYMER	99.0%	9003-42-3

*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 to fresh air. If breathing is difficult, have qualified personnel give oxygen. Get medical attention immediately.

Skin Contact Remove contaminated clothing. Wash affected area with soap and water. Get medical attention if irritation develops. Launder clothing before re-use.

Eye Contact Immediately flush eyes with plenty of water for at least 15 minutes holding the eyelids apart. Get medical attention if irritation persists

Ingestion

If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk immediately.

Never give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

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 fog, Carbon Dioxide and dry chemical.

Unsuitable extinguishing media

Water may not be effective in extinguishing this fire.

Special hazards arising from substance

Firefighters should wear self-contained breathing apparatus.

Special protective equipment and Precautions for fire fighters

Do not use a water stream. Water stream can disperse dust in air producing a fire hazard and possible explosion hazard if exposed to ignition source. Use water to cool fire exposed containers.

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. Avoid heating above 240 degrees Celcius (464F).

Incompatible materials

Strong oxidizers, strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA Permissible Exposure Limits

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains no known hazardous materials.

ACGIH Threshold Limit Values

N/A

Other limitations recommended by manufacturer

Fresh Air

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder
Color	Clear
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	COC Flash Point: 304 C (579.2 F)
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	Insoluble
Partition Coefficient: n-octano/water	1.25 (Water = 1)
Auto-ignition Temperature	240 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	Avoid strong acids and oxidizing agents
Materials to avoid	N/A

11. TOXICOLOGICAL INFORMATION

Identify likely routes of exposure:

Inhalation	Routes of exposure
Ingestion	Routes of exposure
Skin	Routes of exposure
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)

Environmental Hazards:

For Polymer: None Listed. RTECS: Not Listed. TSCA Listed. For decomposition product, Ethyl Methacrylate Monomer LC LO Inhalation Rat 8300 ppm/4H. LD 60 Intraperitoneal Mouse 1369 mg/kg. LD 50 Intraperitoneal Rat 1223 mg/kg. LD 50 Oral Mouse 7836 mg/kg. LD 50 Oral Rat 13,486 mg/kg. LD 60 Oral Rabbit 3630 mg/kg. ALD Dermal Rabbit >10,000 mg/kg. LD LO Subcutaneous Rat 25 gm/kg. RTECS Listed. TSCA Listed. EINECS Listed.

Environmental Fate:

Not Biodegradable.

13. DISPOSAL CONSIDERATIONS (If applicable)

Waste Disposal:

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)

Product Label: Impak Powder

D.O.T. Hazard Class: N/A

15. REGULATORY INFORMATION (If available)

Regulatory Disclosures: This product is not classified under GHS.

EEC Symbols and Indications of Danger: Irritant (Xi)

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

Country	Regulation	All Components Listed
	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

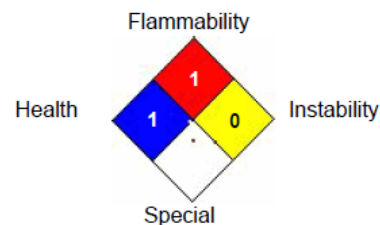
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



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