

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION



Great Lakes Orthodontics
200 Cooper Ave
Tonawanda, NY 14150

716-871-1161
800-828-7626
CHEMTREC: 800-424-9300

Product Name: Tropical Tones Resin
Product Number: 045-048, 045-049, 045-050, 045-051, 045-052, 045-053, 045-054, 045-055, 045-056, 045-057, 045-058, 045-059, 045-060, 045-080, 045-081, 045-082, 045-083

Effective Date: 04/20/17

SECTION 2. HAZARDOUS IDENTIFICATION

Classification

Skin sensitization – Category 1

Signal Word

Warning

Hazard Statements

May Cause an allergic skin reaction.



Physical State

Powder

Appearance

Fine, pigmented

Odor

Faint odor in bulk

Precautionary Statements – Prevention

- Avoid breathing dust, fumes, gas, mist, vapors, or spray.
- Wash hands and exposed skin thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves / protective clothing / eye protection / face protection.

Precautionary Statements – Response

- IF ON SKIN: Wash with soap and water
- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.

Precautionary Statements – Disposal

- Dispose of contents / container to an approved waste disposal plant.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Components</u>	<u>CAS NO</u>	<u>%</u>
Polymer	25685-29-4	> 99
Benzoyl Peroxide	94-36-0	< 2

SECTION 4. FIRST AID MEASURES

Eye Contact

Flush with water for 15 minutes including under lids.

Skin Contact

Wash with soap and water.

Inhalation

Remove to fresh air. Get medical help if discomfort persists.

Ingestion

Do NOT induce vomiting. Drink plenty of water or milk immediately. If vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately and provide an estimate of when and how much material was ingested.

SECTION 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Water, Dry chemical, Carbon Dioxide (CO₂)

Special Fire Fighting Procedures

Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust in air, producing a fire hazard and possible explosion hazard if exposed to ignition source.

Unusual Fire / Explosion Hazards

Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Fire fighters should wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures

Sweep up to avoid slipping hazard. Keep airborne particulate at a minimum when cleaning up spills.

SECTION 7. HANDLING & STORAGE

Handling Precautions

Use only in well-ventilated areas. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or fume. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product.

Storage Precautions

Keep containers tightly closed to prevent water absorption and contamination. Store in a dry, cool, and well-ventilated place away from direct sunlight or other sources of light or intense heat. Temperature not to exceed 35 °C

Packaging materials Incompatible Materials

Keep in original container. Strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Benzoyl Peroxide 94-36-0	TWA: 5mg/m ³	TWA: 5mg/m ³ TWA: 5mg.m ³ (vacated)	IDLH: 1500 mg/m ³ TWA: 5 mg/m ³

Engineering Controls

Apply technical measures to comply with the occupational exposure limits. When working with large quantities of product, provide adequate ventilation (e.g.: local exhaust ventilation, fans). Ensure that an eyewash station, sink, or washbasin is available in case of exposure to eyes. Use good local exhaust at processing equipment, including buffers, sanders, grinders, and polishers.

Respiratory Protection

No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per US OSHA requirement in 29 CFR SS 1910.134, or applicable US state regulations, or the appropriate standards of Canada, its provinces, EC member states or Australia. VENTILATION: Local exhaust at processing equipment.

Skin and Body Protection

If anticipated that prolonged and repeated skin contact will occur during use of this product, wear gloves for routine industrial use. If necessary, refer to US OSHA 29 CFR SS1910.138 or the appropriate standards of Canada or the EC member states.

Eye / Face Protection

Depending on the use of this product, safety glasses or goggles may be worn. If necessary, refer to US OSHA 29 CFR SS1910.133, Canadian standards or the European Standard EN 166. Ensure that an eyewash station, sink, or washbasin is available in case of exposure to eyes.

General Hygiene

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Appearance** – Fine powder.
- **Odor** – Faint odor in bulk.
- **Evaporation Rate** – NIL
- **Flash Point** – 304 °C
- **Boiling Point** – Not Established
- **Vapor Density (AIR=1)** – Not Established
- **Solubility in Water** – Insoluble
- **Specific Gravity (H2O=1)** – Not Established
- **Percent Volatile** – LT5
- **Vapor Pressure** – Not Established
- **Auto Ignition Temperature** – Not Established

SECTION 10. STABILITY & REACTIVITY

Hazardous Reactions – Hazardous polymerization will not occur.

Stability – Stable

Materials to Avoid – Strong oxidizing agents.

Conditions to Avoid – Heating above 240 °C

Hazardous Decomposition Products – Methylmethacrylate Monomer and Carbon Monoxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Not tested.

SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)

Not determined.

SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)

Waste Disposal Method

Follow all local and national government regulations in disposing material or contaminated packaging.

California Hazardous Waste Status

Benzoyl Peroxide

- 94-36-0
- 6400 mg/kg (rat)
- Toxic, Ignitable, Reactive

Contaminated Packaging

For bulk only: Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers properly in accordance with federal, state, and local regulations.

SECTION 14. TRANSPORT INFORMATION (non-mandatory)

Not applicable.

SECTION 15. REGULATORY INFORMATION (non-mandatory)

Not applicable

SECTION 16. OTHER INFORMATION (non-mandatory)

HMIS Rating:

- **Health** – 1
- **Flammability** – 1
- **Physical Hazard** – 0

0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe

* = Chronic Health Hazard