

# SAFETY DATA SHEET

## SECTION 1. IDENTIFICATION

Great Lakes Dental Technologies, Ltd  
200 Cooper Ave  
Tonawanda, NY 14150

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

**Product Name:** Neon Glow Powder  
**Product Number:** 045-011 (Kit), 045-012, 045-013, 045-014, 045-015, 045-016, 045-017, 045-018,  
045-019, 045-020, 045-021, 045-022, 045-023, 045-024, 045-025, 045-026, 045-027,  
045-028, 045-029

Effective Date: 8/23/23

## SECTION 2. HAZARDOUS IDENTIFICATION

### Classifications

Skin sensitization – Category 1

### Signal Word

Warning

**Hazard Statement** – May cause an allergic skin reaction.



### 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 use.

### Precautionary Statements - Disposal

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

### **SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**

<b><u>Hazardous Components</u></b>	<b><u>CAS #</u></b>	<b><u>Weight - %</u></b>
Polymer	9011-14-7	< 90
Benzoyl Peroxide	94-36-0	< 2

### **SECTION 4. FIRST AID MEASURES**

#### **Eye Contact**

Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes. If irritation persists, get medical advice / attention.

#### **Skin Contact**

Wash with soap and water. If irritation persists, call a physician. Take off contaminated clothing and wash before reuse.

#### **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.

#### **Symptoms**

Skin contact may aggravate an existing dermatitis. Direct contact with eyes may cause temporary irritation.

#### **Not to Physicians**

Treat symptomatically

### **SECTION 5. FIRE FIGHTING MEASURES**

#### **Suitable Extinguishing Media**

Water, Dry chemical, Carbon Dioxide (CO<sub>2</sub>). Avoid extinguishing methods which may generate dust clouds.

#### **Special Fire Fighting Procedures**

Self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### **Unusual Fire / Explosion Hazards**

For bulk size, Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Spill and Leak Procedures**

Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills. Clean up in accordance with all applicable regulations. Wash all affected areas with plenty of warm water and soap.

### **Personal Precautions**

Use personal protective equipment as required. Remove any contaminated clothing and wash thoroughly before reuse.

### **Methods for containment and clean-up**

Prevent further leakage or spillage if safe to do so.

## **SECTION 7. HANDLING & STORAGE**

### **Handling Precautions**

Use only in well-ventilated areas. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or fumes. 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.

### **Further Info on Storage Conditions**

Keep in original container.

### **Incompatible materials**

Strong oxidizing agents

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH IDLH</u>
Benzoyl Peroxide	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> (vacated)	IDLH: 1500 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>

### Appropriate 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 SS1910.134 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 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

- **Physical State** – Powder
- **Appearance** – Fine, clear or pigmented
- **Color** - Pigmented
- **Odor** – Faint odor in bulk
- **Flash Point** - 303 °C (577 °F)
- **Flammability (solid, gas)** – Non - flammable
- **Water Solubility** – Insoluble in water

**Not Determined** – Odor Threshold, PH, Melting/Freezing Point, Specific Gravity, Solubility in other solvents, Partition coefficient, Auto Ignition Temperature, Decomposition Temperature, Kinematic Viscosity, Dynamic Viscosity, Explosive Properties, and Oxidizing Properties

**Not Applicable** – Boiling Point / Range, Evaporation Rate, Upper and Lower Flammability Limits, Vapor Pressure, and Vapor Density

## SECTION 10. STABILITY & REACTIVITY

**Hazardous Reactions** – None under normal conditions. Hazardous polymerization will not occur.

**Stability** – Stable under recommended storage conditions.

**Materials to Avoid** – Strong oxidizing agents.

**Conditions to Avoid** – Heating above 240 °C (464 °F)

**Hazardous Decomposition Products** – Methyl methacrylate Monomer and Oxides of Carbon when burned.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Routes of Exposure** – This product has not been tested on animals to obtain toxicology data

Inhalation – Not expected to be an inhalation hazard under normal conditions of intended use.

Eye Contact – Avoid contact with eyes.

Skin Contact – Avoid contact with skin.

Ingestion – Do not taste or swallow.

### **Benzoyl Peroxide**

Oral - 6400 mg/kg (rat)

### **Symptoms**

See Section 4

### **Delayed and immediate effects as well as chronic from short and long-term exposure**

Carcinogenicity – Not classifiable as a human carcinogen (IARC group 3)

### **Numerical measures of toxicity – Product**

Not determined

## SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)

### **Ecotoxicity**

There is no specific data available for this product; however, very large releases may be harmful or fatal to overexposed aquatic life.

### **Persistence and Degradability**

Not determined

### **Bioaccumulation**

Not determined

### **Mobility**

Not determined

### **Other adverse effects**

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 - 6400 mg/kg (rat)

**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.

**California Hazardous Waste Status**

Benzoyl Peroxide – toxic, ignitable, reactive

**SECTION 14. TRANSPORT INFORMATION (non-mandatory)**

DOT }  
IATA } Not Regulated  
IMDG }

**SECTION 15. REGULATORY INFORMATION (non-mandatory)**

**International Inventories**

**TSCA** – For use in FDA regulated products only. Unites States Toxic Substances Control Act, Section 8(b) Inventory.

**DSL** – Listed. Canadian Domestic Substances List

**EU Regulations** – EC. No 1272/2008 (CLP) Classification, Labeling, Packaging. Medical Devices Directive 93/42/EEC – Class 1 Medical Devices

**US Federal Regulations**

Benzoyl Peroxide                      Weight – 1%                      SARA 313 Threshold Value % - 1.0

**US State Regulations**

**US State Right – To – Know - Regulations**

**Benzoyl Peroxide**

New Jersey

Massachusetts

Pennsylvania

**SECTION 16. OTHER INFORMATION (non-mandatory)**

HMIS Rating:

- **Health** – 1
- **Flammability** – 1
- **Reactivity** – 0

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

\* = Chronic Health Hazard