SAFETY DATA SHEET

SECTION 1. INDENTIFICATION

Great Lakes Orthodontics
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, 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: 11/27/12

SECTION 2. HAZARDOUS IDENTIFICATION

- Melted product is flammable and produces intense heat and dense smoke during burning. Irritating gases / fumes may be given off during burning or thermal decomposition. Contact with hot material will cause thermal burns.

Potential Health Effects:

Primary Routes of Entry

- Inhalation
- Skin Contact
- Eye Contact

Human Effects and Symptoms of Overexposure:

Skin

No absorption.

Inhalation

Inhalation of dusts.

General Effects of Exposure

OSHA classifies this material as particulates, not otherwise classified. It is not known to cause significant health problems. It is considered an inert or nuisance dust. Eyes, skin, and respiratory tract may be irritated by gross overexposure to particulates, not otherwise classified no matter how they are generated. Avoid inhalation of dust, keeping dust out of eyes to prevent possible irritation.

Carcinogenicity

No carcinogenic substances as defined by IARC, NTP, ACIGH, and / or OSHA.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components	CAS #	%	TLV (units)	PEL (units)
Particulates, NOC	N/E	<99	10 mg/m3	15 mg/m3
Dialykl Phthalate	84-66-2	<15	5 mg/m3	5 mg/m3
Zinc Sulfide		<.5	5 mg/m3	
Zinc Oxide		<.5	5 mg/m3	

SECTION 4. FIRST AID MEASURES

Eye Contact

Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.

Skin Contact

Wash with soap and water. Get medical help if discomfort persists.

Inhalation

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

Ingestion

Rinse mouth out with water. Call doctor if amount was large.

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 particulates at a minimum when cleaning up spills.

SECTION 7. HANDLING & STORAGE

Handling / Storage Precautions

Store in cool dry place. Keep container closed to prevent water absorption and contamination. Wash hands thoroughly after use and before eating or smoking.

Further Info on Storage Conditions

Protect equipment (e.g.: storage bins, conveyors, dust collectors) with explosion vents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Measures
Local exhaust at processing equipment.
Respiratory Protection
Use type for particulates not otherwise classified if need.
Hand Protection
If hot plastic is handled, use protective gloves.
Eye Protection
Safety glasses.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Form –** Fine powder
- **Odor –** Faint odor in bulk
- **Flash Point -** 340 °C (580 °F)
- **Boiling Point –** Not Established
- **Lower Explosion Limit –** Not available
- **Upper Explosion Limit –** Not available
- **Vapor Pressure –** Not Established
- **Solubility in Water –** Insoluble
- **Specific Gravity (H2O=1) –** 1.25
- **Vapor Density (AIR=1) –** 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 (464 °F)
Hazardous Decomposition Products – Methyl methacrylate Monomer and Oxides of Carbon when burned.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity Data for Polymer – None Listed

- **Target Organs**
- **Mutagenicity Data**
- **Reproductive Toxicity Data**
- **Toxicity Data**

SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)

Ecological Data for Polymer – None Listed

- **Aquatic Toxicity**

SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)

Waste Disposal Method
May be disposed of in landfill or incinerated. Follow Federal, State, and local regulations for disposal.

SECTION 14. TRANSPORT INFORMATION (non-mandatory)

- **Synthetic Gum Resin Granular - NOIBN**

SECTION 15. REGULATORY INFORMATION (non-mandatory)

TSCA – For use in FDA regulated products only.

Canadian WHMIS – This product has been classified in accordance with the hazardous criteria of the CPR and the SDS contains all the information required by the CPR.

SECTION 16. OTHER INFORMATION (non-mandatory)

HMIS Rating:

- **Health –** 1
- **Flammability –** 1
- **Reactivity –** 0
- **Personal Protective Equipment** – Gloves and safety glasses or chemical splash goggles.

NFPA Rating

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

0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe
* = Chronic Health Hazard