

# 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:** Lingual Bars  
**Product Number:** 090-026, 090-027, 090-028, 090-029, 090-030

Effective Date: 10/30/13

## SECTION 2. HAZARDOUS IDENTIFICATION

Potential Health Effects:

**Primary Routes of Entry**

- None

**Medical Conditions Aggravated by Exposure**

- None

Human Effects and Symptoms of Overexposure:

**Skin**

None.

**Ingestions**

None.

**Chronic Effects or Exposure**

None.

**Carcinogenicity**

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

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

<u>Hazardous Components</u>	<u>%</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Aluminum (Dust / Fumes)	0 – 2.0	7429-90-5		10 mg/m <sup>3</sup> / 5 mg/m <sup>3</sup>
Carbon (as Carbon Black)	0 – 2.0	1333-86-4	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>
Chromium	.10 – 35.0	7440-47-3	1.00 mg/m <sup>3</sup>	.50 mg/m <sup>3</sup>
Cobalt	0 – 5.0	7440-48-4	.10 mg/m <sup>3</sup>	(.10)**
Copper (Dust / Fumes)	0 – 4.5	7440-50-8	1.00 mg/m <sup>3</sup> / .10 mg/m <sup>3</sup>	1.00 mg/m <sup>3</sup> / .20 mg/m <sup>3</sup>
Iron (PEL-iron / Oxide Fumes / TLB as Fe)	40.0 – 99.0	1309-37-1	10 mg/m <sup>3</sup>	5.00 mg/m <sup>3</sup>
Manganese (Dust / Fumes)	0 – 15.0	7439-96-5	5.00 mg/m <sup>3</sup>	5.00 mg/m <sup>3</sup> / 1.00 mg/m <sup>3</sup>
Molybdenum (Insol. Cmpd)	0 – 10.0	7439-98-7	15.0 mg/m <sup>3</sup>	10.00 mg/m <sup>3</sup>
Nickel	0 – 35.0	7440-02-0	1.00 mg/m <sup>3</sup>	1.00 mg/m <sup>3</sup>
Silicon (Respirable Dust)	0 – 5.0	7440-02-0	0 – 5.0 mg/m <sup>3</sup>	5.00 mg/m <sup>3</sup>
Sulfur (As Sulf. Dioxide)	0 – 0.4	7446-09-5		5.00 mg/m <sup>3</sup>
Titanium (As Ti Dioxide)	0 – 2.5	13463-67-7	15.00 mg/m <sup>3</sup>	5.00 mg/m <sup>3</sup>
Vanadium (Dust / Fumes)	0 – 4.5	1314-62-1	.50 mg/m <sup>3</sup> / .10 mg/m <sup>3</sup>	.05 mg/m <sup>3</sup> / .05 mg/m <sup>3</sup>
Tungsten (Insol. Cmpd)	0 – 6.5	7440-33-7		5.00 mg/m <sup>3</sup>

**SECTION 4. FIRST AID MEASURES****Eye Contact**

Not applicable

**Skin Contact**

Not applicable

**Inhalation**

Not applicable

**Ingestion**

Not applicable

**SECTION 5. FIRE FIGHTING MEASURES****Suitable Extinguishing Media**

None

**Special Fire Fighting Procedures**

None

**Unusual Fire / Explosion Hazards**

None

**SECTION 6. ACCIDENTAL RELEASE MEASURES****Spill and Leak Procedures**

None.

**SECTION 7. HANDLING & STORAGE**

**Handling / Storage Precautions**

None.

**Further Info on Storage Conditions**

None.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Industrial Hygiene**

Not applicable.

**Ventilation Measures**

Not applicable.

**Respiratory Protection**

None.

**Hand Protection**

None.

**Eye Protection**

None.

**Additional Protective Measures**

None.

**SECTION 9. PHYSICAL & CHEMICAL PROPERTIES**

Not applicable

**SECTION 10. STABILITY & REACTIVITY**

**Hazardous Reactions** – Hazardous polymerization will not occur.

**Stability** – Stable

**Materials to Avoid** – None

**Conditions to Avoid** – None

**Hazardous Decomposition Products** – None.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Not applicable

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

Not applicable

**SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)**

**Waste Disposal Method**

Not applicable.

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

Not applicable.

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

Not applicable.

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

Not applicable.