

# 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:** Universal, Rapid Palatal, and Snap Lock Expansion Screws  
**Product Number:** 120-001, 120-002, 120-003, 120-004, 120-005, 120-006, 120-007, 120-008, 120-009, 120-010, 120-013, 120-014, 120-015, 120-016, 120-017

Effective Date: 10/21/13

## SECTION 2. HAZARDOUS IDENTIFICATION

Potential Health Effects:

### **Primary Routes of Entry**

- Inhalation
- Skin Contact
- Eye Contact

Human Effects and Symptoms of Overexposure:

### **Skin**

Unlikely to cause skin irritation or injury. Molten material causes thermal burns. This material is unlikely to pass into the body through the skin.

### **Ingestions**

Swallowing this material is not likely to be harmful.

### **Inhalation**

This material is a dust or may produce dust. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

### **General Effects of Exposure**

Signs and symptoms of exposure to this material through breathing, swallowing, and / or passage of the material through the skin may include: irritation (nose, throat, airways).

### **Chronic Effects or Exposure**

Thermal processing of this product can produce fumes and / or vapors. Components of these may vary with processing times and temperatures and therefore specific composition cannot be predicted. These fumes and / or vapors may produce eye, skin, and / or respiratory tract irritation. With repeated and prolonged exposure at high concentrations, these fumes and / or vapors could cause central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, and headache).

### **Carcinogenicity**

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

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

#### **Hazardous Components**

Carbon - < 0.12

Silicon - < 1.5

Manganese - < 2.0

Chromium – 16 – 18

Molybdenum – 1.8 – 2.5

Nickel - < 6.0 – 9.0

Phosphorus - < .045

Sulfur - < .03

The rest of the composition is made up of iron.

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

#### **Inhalation**

First aid is not normally required. If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention.

#### **Ingestion**

First aid is not normally required. If symptoms develop, seek medical attention.

#### **Note to Physician**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: lung (for example, asthma – like conditions).

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

#### **Suitable Extinguishing Media**

Not applicable

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

Not applicable

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

Not applicable.

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

#### **Spill and Leak Procedures**

Not applicable.

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

#### **Storage period**

2 years.

#### **Handling**

No adverse health effects are anticipated from the product at room temperature. However, at process temperatures, the product can emit fumes and vapors which may cause irritation of the eyes and respiratory tract. Any exposure will depend on exhaust ventilation provided for the process.

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

### **Ventilation Measures**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects)

### **Respiratory Protection**

If overexposure has been determined or documented, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specific conditions. Engineering or administrative controls should be implemented to reduce exposure.

### **Eye Protection**

Wear safety glasses in compliance with OSHA regulations.

### **Skin and Body Protection**

Wear normal clothing covering arms and legs. Other protective equipment: Consult your safety products supplier for proper protective equipment to use for thermal processing operations.

## **SECTION 9. PHYSICAL & CHEMICAL PROPERTIES**

No data.

## **SECTION 10. STABILITY & REACTIVITY**

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

**Stability** – Stable

**Materials to Avoid** – None known

**Conditions to Avoid** – None known

**Hazardous Decomposition Products** – May form: Carbon Dioxide and Carbon Monoxide, toxic fumes.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

No data.

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

No data.

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

### **Waste Disposal Method**

Dispose of in accordance with all applicable local, state, and federal regulations. For assistance with your waste management needs: including disposal, recycling and waste stream reduction, contact Ashland Distribution Company, 800-637-7922.

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

- **Land Transport (DOT):** 49 CFR 172.101
- **DOT Description: Non-regulated by the DOT**
- **Container / Mode:** 55 Gallon Drum / Truck Package
- **NOS Component:** None
- **RQ (Reportable Quantity):** 49 – CFR 172.101
- **Other Transportation Information:** The DOT Transport Information may vary with the container and mode of shipment.

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

### United States Federal Regulations

**TSCA** – (Toxic Substance Control Act) Status TSCA (United States) the intentional ingredients of this product are listed.

**CERCLA** – 40 CFR 302.4 (a) none listed

**SARA 302** – Components 40 CFR 355 Appendix A None

**SECTION 311/312 Hazard Class** – 40 CFR 370.2 Immediate X

**SARA 313** – Components 40 CFR 372.65 None

**OSHA** – Process Safety Management 29 CFR 1910 None listed

**EPA** – Accidental Release Prevention 40 CFR 69 None listed

**INTERNATIONAL REGULATIONS** – Inventory Status: DSL (Canada) The International ingredients of this produce are listed. State and Local Regulations: California Proposition 65 None.

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

HFPA Rating:

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

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

\* = Chronic Health Hazard