

# 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:** Wax  
**Product Number:** 260-031, 260-032, 260-033, 260-034, 260-035

Effective Date: 10/23/13

## SECTION 2. HAZARDOUS IDENTIFICATION

### Potential Health Effects:

#### **Primary Routes of Entry**

- Inhalation

#### **Medical Conditions Aggravated by Exposure**

- Breathing disorders.

### Human Effects and Symptoms of Overexposure:

#### **Skin**

Skin contact with hot material may result in severe burns.

#### **Eyes**

Contact with hot product will cause burns to the eyes.

#### **Inhalation**

At elevated temperatures dense fumes may develop which can cause respiratory tract irritation and other breathing disorders.

#### **Ingestions**

No significant adverse effects are anticipated. If swallowed in large quantities, this material can obstruct the intestine.

#### **Chronic Effects or Exposure**

Solid Product – Acute and chronic health effects are not expected as long as good industrial hygiene and safety precautions are followed.

#### **Carcinogenicity**

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

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

### **Hazardous Components**

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

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

### **Eye Contact**

Check for and remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low pressure water for at least 15 minutes. Get medical attention if irritation persists. HOT MOLTEN product – Cool burns with plenty of low pressure water. Get immediate medical attention.

### **Skin Contact**

Wash with soap and water. Get medical attention if irritation develops or persists. HOT MOLTEN product – Immediately cool skin with water and cold packs for at least 15 minutes. Do NOT put ice directly on the skin. Do NOT attempt to remove solidified wax from the skin as severe tissue damage may result. Get immediate medical attention. See Note to Physician.

### **Inhalation**

Remove to fresh air. If breathing is difficult, give oxygen and/or artificial respiration.

### **Ingestion**

Not an ingestion hazard under anticipated conditions for use. For accidental ingestion – If conscious, drink one to two glasses of water (8 - 16oz.). Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

### **Note to Physicians**

For HOT MOLTEN or HOT LIQUID product – Material should not be forcibly pulled from the skin. Mineral oil may be used to loosen and soften the material.

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

### **Suitable Extinguishing Media**

Water fog, Foam, Dry chemical, Carbon Dioxide (CO<sub>2</sub>)

### **Special Fire Fighting Procedures**

Wear protective clothing to prevent contact with skin and eyes. Do not release runoff from fire control methods to sewers or waterways. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

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

None.

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

### **Spill and Leak Procedures**

Stop spill at source. Dike area and contain. Clean up remainder with absorbent materials such as sand or vermiculite. Mop up and dispose of.

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

### **Handling Precautions**

Use normal precautions when handling hot molten liquid solutions. Do not breathe fumes or vapor from heated material. Do not allow hot material to contact skin. With the product at ambient temperatures, avoid creating and breathing dust. Wash thoroughly after handling.

### **Storage Precautions**

Store at ambient temperatures in closed containers. This material can catch fire if overheated. Do not heat this material above the flash point. Keep away from flame and open electrical coils.

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

None.

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

### **Industrial Hygiene**

Avoid breathing dust, vapor, or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking, or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

### **Ventilation Measures**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits (see below). An eye wash station and safety shower should be located near the work-station.

### **Respiratory Protection**

The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH approved organic vapor respirator equipped with a dust / mist prefilter should be used.

### **Hand Protection**

When handling product at elevated temperatures, use heat resistant gloves. With product at ambient temperatures, use disposable nitrile, neoprene or butyl rubber gloves with repeated or prolonged use.

### **Eye Protection**

Use a full-face shield and safety glasses if handling heated material. With product at ambient temperatures, use safety glasses equipped with side shields.

### **Skin and Body Protection**

Prevent skin contact when handling heated material. Use insulated, heat-resistant clothing such as an apron or slicker suit.

### **Additional Protective Measures**

Make emergency eyewash stations, safety / quick drench showers, and washing facilities available in work area.

### **Occupational Exposure Guidelines**

Substance – Paraffin Wax Fume      ACGIH STEL: 2 mg/m<sup>3</sup>      NISOH TWA: 2 mg/m<sup>3</sup>

## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Form** – Solid
- **Color** – Light Blue
- **Odor** – Mild odor
- **Flash Point** - 465 °F (240 °C)
- **Boiling Point** - > 450 °F
- **Freezing / Melting Point**– Softening Point by Ring and Ball Apparatus ASTM E28-58T: 145 °F
- **Lower Explosion Limit** – Not Established
- **Upper Explosion Limit** – Not Established
- **Specific Gravity (H<sub>2</sub>O=1, @ 4 °C)** – 0.97
- **Vapor Density (Air = 1)** – Not Available
- **Solubility in Water** – Insoluble in cold water
- **% Volatile** – Negligible

## SECTION 10. STABILITY & REACTIVITY

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

**Stability** – Stable at room temperature in closed containers under normal storage and handling conditions.

**Materials to Avoid** – None known

**Conditions to Avoid** – Heat and open flames.

**Hazardous Decomposition Products** – Thermal oxidative decomposition can produce CO and CO<sub>2</sub>.

## SECTION 11. TOXICOLOGICAL INFORMATION

No evidence of adverse effects from available information.

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

No evidence of adverse effects from available information.

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

### **Waste Disposal Method**

Use safety containers for disposal. Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

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

### **DOT Transportation Data (49 CFR 172.101)**

Shipping Name: Non-regulated

<b>SECTION 15.            REGULATORY INFORMATION (non-mandatory)</b>
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United States Federal Regulations

**RCRA Hazardous Waste Number**

Not listed (40 CFR 261.33)

**RCRA Hazardous Waste Classification (40 CFR 261)**

Not classified

**CERCLA Hazardous Substance (40 CFR 302.4)**

Listed / unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112: Not listed.

**SARA 311 / 312 Codes**

No hazard categories identified.

**SARA Toxic Chemical (40 CFR 372.65)**

No components were identified.

**TSCA Inventory Status**

All ingredients listed on TSCA inventory requirements.

<b>SECTION 16.            OTHER INFORMATION (non-mandatory)</b>
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HMIS Rating:

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

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

\* = Chronic Health Hazard