

# 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:** Cheek Retractors, Safety Latch, Connecting Arm Insert, Flexible Connector  
**Product Number:** 300-201, 300-400, 300-401, 300-402, 300-405, 300-406, 300-414, 300-417

Effective Date: 7/24/13

## SECTION 2. HAZARDOUS IDENTIFICATION

### Potential Health Effects:

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

- Inhalation
- Ingestion
- Skin Contact
- Eye Contact

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

- None.

### Human Effects and Symptoms of Overexposure:

#### **Skin**

Solid may cause irritation due to mechanical action.

#### **Ingestions**

Solid may cause choking if swallowed. Oral toxicity is believed to be very low, consider physiologically inert.

#### **Inhalation**

Vapors are unlikely due to physical properties.

#### **Eyes**

Solid may cause irritation due to mechanical action.

#### **General Effects of Exposure**

None.

#### **Carcinogenicity**

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

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

#### **Hazardous Components**

	<b><u>CAS #</u></b>
Acetal (Polybutylene, Terephthalate, Thermoplastic, Polyester)	30965-26-5
Nuisance / inert dust	<b><u>OSHA PEL</u></b> - 15mg/cu m total 5mg/cu m respirable
Nuisance particulate	<b><u>ACGIH</u></b> – 10 mg/cu m total 3mg/cu m respirable

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

#### **Eye Contact**

In case of contact, flush eyes with plenty of lukewarm water.

#### **Skin Contact**

Cool melted product on skin with plenty of water. Do not remove solidified product. Get medical attention if thermal burn occurs.

#### **Inhalation**

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

#### **Ingestion**

Get medical attention.

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

#### **Suitable Extinguishing Media**

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

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

Wear positive-pressure, self-contained breathing apparatus and protective fire-fighting clothing.

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

None.

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

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

Sweep up and discard.

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

#### **Handling / Storage Precautions**

None.

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

The glass particles in this product are wetted by the polymer system. Residual glass (<1%) may be present and cause mechanical eye, skin, and respiratory irritation. Operations involving grinding, or machining, should be reviewed to assure that particulate levels are kept below recommended standards.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Ventilation Measures

Good general ventilation should be sufficient.

### Respiratory Protection

None required.

### Eye Protection

Safety glasses.

### Additional Protective Measures

None.

## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Odor** – Odorless
- **Flash Point** - > 93 °C (> 200 °F) Tag closed cup.
- **Vapor Pressure** – < 0.001 mm/Hg
- **Solubility in Water** – < 0.001 GPL
- **Specific Gravity (H<sub>2</sub>O – 1)** – 1.3 to 1.65

**Not applicable** – Boiling Point, Melting Point, Vapor Density, Evaporation Rate.

## SECTION 10. STABILITY & REACTIVITY

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

**Stability** – Stable

**Materials to Avoid** – Strong bases.

**Conditions to Avoid** – Temperatures over 550° F or 288 °C and prolonged exposure above 520 °F and 271 °C.

**Hazardous Decomposition Products** – Aldehydes, Ketones, Esters, Acids, Alcohol's, Butadiene, Tetrahydrofuran, Toluene, Benzoic Acid, Terephthalic Acid.

**Hazardous Products of Combustion** – Carbon Dioxide, Carbon Monoxide

## SECTION 11. TOXICOLOGICAL INFORMATION

Not applicable

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

Not applicable

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

### Waste Disposal Method

Bury in landfill or burn in adequate incinerator in accordance with applicable federal, state, and local regulations.

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

Not applicable

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

Not applicable

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

Not applicable

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Great Lakes Orthodontics  
200 Cooper Ave  
Tonawanda, NY 14150

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

**Product Name:** Silicone Tubing  
**Product Number:** 300-400, 300-401, 300-412

Effective Date: 7/24/13

## SECTION 2. HAZARDOUS IDENTIFICATION

### Potential Health Effects:

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

- Inhalation
- Skin Contact
- Eye Contact

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

- None.

### Human Effects and Symptoms of Overexposure:

#### **Skin**

A single prolonged exposure (24 to 48 hours) causes no known adverse effect. Washing after meal time and end of shift is adequate.

#### **Ingestions**

Small amounts transferred to the mouth by fingers during use, etc. should not injure. Swallowing large amounts may cause digestive discomfort.

#### **Eyes**

Direct eye contact may cause temporary discomfort with a mild redness and dryness similar to windburn.

#### **General Effects of Exposure**

None.

#### **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**

#### **Skin**

No first aid should be needed.

#### **Ingestions**

No first aid should be needed.

#### **Inhalation**

No first aid should be needed.

#### **Eyes**

Immediately flush with water.

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

#### **Suitable Extinguishing Media**

Water, Water Fog or Spray, Foam, Dry chemical, Carbon Dioxide CO2

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

Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. If large amount involved, evacuate area.

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

None.

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

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

Collect and contain for salvage or disposal. Observe all personal protection equipment recommendations described in section 4 and 8. Local, state, and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the regulations are applicable.

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

#### **Handling / Storage Precautions**

No special precautions

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

None.

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

### **Ventilation Measures**

None should be needed. Mechanical ventilation recommended.

### **Respiratory Protection**

None should be needed.

### **Eye Protection**

Use proper protection; safety glasses as a minimum.

### **Additional Protective Measures**

None.

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

- **Odor** – Odorless
- **Color** – Translucent white
- **Flash Point** – 600 °F (315 °C) / COC
- **Upper and Lower Control Limits** – Not determined
- **Solubility in Water** – Insoluble in water

**Not applicable** – Boiling Point, Vapor Pressure, Vapor Density, Specific Gravity, Melting Point, Evaporation Rate

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

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

**Stability** – Stable

**Materials to Avoid** – None known.

**Conditions to Avoid** – When heated to temperatures above 150 °C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer causing hazard, a known skin and respiratory sensitizer, and an irritant to eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limit for formaldehyde.

**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



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**Product Name:** C-Plates for High Pull & Variable Pull Head caps, Y Connector Adapter, Tongue Guard / Saliva Ejector, Quick Fit (snap on hooks, snap on tubes, buckle, and straps),  
**Product Number:** 300-100, 300-101, 300-102, 300-103, 300-104, 300-105, 300-106, 300-107, 300-108, 300-132, 300-133, 300-400, 300-401, 300-403, 300-408, 300-409, 300-411, 300-413, 300-419, 300-420

Effective Date: 7/24/13

## SECTION 2. HAZARDOUS IDENTIFICATION

### Potential Health Effects:

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

- Ingestion
- Skin Contact
- Eye Contact

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

- None.

### Human Effects and Symptoms of Overexposure:

#### **Skin**

Solid may cause irritation due to mechanical action.

#### **Ingestions**

Solid may cause choking if swallowed. Oral toxicity is believed to be very low, consider physiologically inert.

#### **Eyes**

Solid may cause irritation due to mechanical action.

#### **General Effects of Exposure**

None.

#### **Carcinogenicity**

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

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

#### **Hazardous Components**

Polypropylene Homo-polymer  
> 98% Polypropylene Random Copolymer  
< 2% Additives

#### **CAS #**

9003-07-0  
009010-79-1

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

#### **Skin**

Immerse under a running stream of water or shower until cooled. Do NOT attempt to remove resin from skin. Removal can result in tissue damage. Get immediate medical attention.

#### **Ingestions**

No adverse effects anticipated by this route of exposure.

#### **Inhalation**

Move to fresh air seek medical attention if symptoms persist.

#### **Eyes**

Irrigate immediately with water for at least five minutes, mechanical irritation only.

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

#### **Suitable Extinguishing Media**

Water, Water Spray, Dry chemical, Carbon Dioxide CO<sub>2</sub>

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

Standard procedures for class A fires. Wear positive-pressure self-contained breathing apparatus and protective fire-fighting clothing. If large amount involved, evacuate area.

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

None.

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

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

Sweep up material for use or disposal. Keep walking surfaces free of spilled material to avoid slipping hazard.

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

#### **Handling / Storage Precautions**

Keep away from sparks and open flame. Do not store this material near any oxidizing material, may cause strong reaction. Keep below 60 °C (140 °F) for quality control. Store in sprinkled warehouse.

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

None.

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

### **Ventilation Measures**

Good general ventilation should be sufficient.

### **Respiratory Protection**

None required.

### **Eye Protection**

Safety glasses.

### **Additional Protective Measures**

Eyewash fountains and safety showers should be easily accessible.

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

- **Flash Point** – 329 °C (675 °F)
- **Auto Ignition** – 357 °C (675 °F)
- **Solubility in Water** – NIL
- **Specific Gravity** – 0.88 - .092

**Not applicable** – Boiling Point, Vapor Pressure, Vapor Density, Melting Point, Evaporation Rate

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

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

**Stability** – Stable

**Materials to Avoid** – Avoid contact with strong oxidizing agents.

**Conditions to Avoid** – None known

**Hazardous Decomposition Products** – None.

**Hazardous Products of Combustion** – Carbon Dioxide, Carbon Monoxide

## **SECTION 11. TOXICOLOGICAL INFORMATION**

Not applicable

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

Not applicable

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

### **Waste Disposal Method**

Incineration of waste material in a permitted facility in accordance to local, state, and federal regulations is the recommended disposal method. Land filling in a licensed facility in accordance to local, state, and federal regulations is a suitable alternative.

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

Not applicable

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

Not applicable

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

Not applicable