

# YOUNG™

## DENTAL MANUFACTURING

### SAFETY DATA SHEET

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#### SECTION I: Identification

**Product Identifier:**

**Product Name:** Lorvic™ Bonding Prep  
**Part/Item Number:** 039110  
**Product Class:** Prophylaxis Paste Powder

**Recommended Use of the Substance or Mixture and Restrictions on Use:**

**Recommended Use:** Recommended for use prior to sealant application, orthodontic bonding and bracketing, and bonded restorations. Mix Lorvic Bonding Prep with water to use as a prophylaxis paste.

**Restrictions on Use:** For professional use only

**Details of the Supplier:**

**Manufactured by:** Young Dental Manufacturing  
13705 Shoreline Court East  
Earth City, MO 63045  
1.800.325.1881

**Emergency Phone Number:**

**Infotrac:**  
**24-Hour Number-** (U.S.) 1-800-535-5053  
**Outside U.S.-** 1-352-323-3500

#### SECTION II: Hazard(s) Identification

**Classification of the Substance or Mixture:**

Health Hazard	Physical Hazard
Not applicable	Not applicable

**Label Elements:**

**Hazard Statement(s):** Not applicable

**Precautionary Statement(s):** Not applicable

**Other Hazards:** Not applicable

#### SECTION III: Composition/Information on Ingredients

**Mixture:**

Component	CAS #	WT%	Classification
Sulfamic Acid	5329-14-6	3%	Skin Irritation Category 2 Eye Irritation Category 2

## **SECTION IV: First-Aid Measures**

### **Description of First Aid Measures:**

**Ingestion** – If a patient ingests an excessive amount of paste, consult a physician. Do not induce vomiting.

**Eye contact** – Rinse eyes with water for 15 minutes.

**Skin contact** – Wash skin with soap and water.

**Most Important Symptoms and Effects, Acute and Delayed:** Irritant effects

### **Indication of Any Immediate Medical Attention and Special Treatment Needed:**

**Ingestion** – If a child ingests 10g or more of paste (5 unit dose cups), seek immediate medical attention. If an adult ingests 100g or more of paste (50 unit dose cups), seek medical attention.

**Eye contact** - Seek medical attention if irritation persists.

**Skin contact** – Seek medical attention if irritation persists.

## **SECTION V: Firefighting Measures**

**Extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special Hazards Arising from the Substance or Mixture:** Sulfamic acid is not combustible. Ambient fire may liberate hazardous vapours. Fire may cause evolution of sulphur dioxides and nitrogen oxides.

### **Advice for Fire-Fighters:**

**Fire Fighting Procedures** - Fight fire from a safe distance or protected location.

**Precautions for Fire Fighters** - Do not enter fire area without proper protection. Firefighters should wear full emergency equipment and an approved pressure self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing protective clothing.

## **SECTION VI: Accidental Release Measures**

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Avoid contact with skin and eyes.

**Methods and Materials for Containment and Cleaning Up:** Collect the material into acceptable containers.

## **SECTION VII: Handling and Storage**

**Precautions for Safe Handling:** Keep product in tightly sealed container.

**Conditions for Safe Storage, Including Any Incompatibilities:** Store in cool, dry areas.

## **SECTION VIII: Exposure Controls/Personal Protection**

### **Control Parameters:**

<b>Occupational Exposure Limits:</b>		
<b>Component</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
Sulfamic Acid	Not available	Not available

### **Exposure Controls:**

**Appropriate Engineering Controls** – Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

**Individual Protection Measures (PPE)** - Wear protective clothing and eye wear. Wash hands thoroughly after use.

## **SECTION IX: Physical and Chemical Properties**

<b>Information on Physical and Chemical Properties:</b>	
<b>Appearance:</b>	Light gray powder
<b>Odor:</b>	Slight mint aroma

<b>Odor Threshold:</b>	Not applicable
<b>pH:</b>	Not determined
<b>Melting point/freezing point:</b>	Not applicable
<b>Initial boiling point and boiling range:</b>	Not applicable
<b>Flash point:</b>	Not determined
<b>Evaporation rate (Butyl Acetate =1):</b>	Not applicable
<b>Flammability (solid, gas):</b>	Not determined
<b>Upper/lower flammability or exposure limits:</b>	Not applicable
<b>Vapor pressure:</b>	Not applicable
<b>Vapor density (Air = 1):</b>	Not applicable
<b>Relative density:</b>	Not determined
<b>Solubilit(ies):</b>	Soluble except for dental abrasives
<b>Partition coefficient: n-octano/water</b>	Not determined
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined
<b>Viscosity:</b>	Not determined
<b>Specific gravity (Water = 1):</b>	.88

## **SECTION X: Stability and Reactivity**

**Reactivity:** None known

**Chemical Stability:** Stable

**Possibility of hazardous reactions:** Not applicable

**Conditions to avoid:** Not applicable

**Incompatible materials:** Not applicable

**Hazardous decomposition products:** Not applicable

## **SECTION XI: Toxicological Information**

### **Potential Health Effects:**

**Ingestion** – May cause irritation of mucous membranes in the mouth, pharynx, oesophagus, and gastrointestinal tract.

**Eye Contact** – Eye contact may cause severe irritation.

**Skin Contact** – May cause skin irritation.

**Inhalation** – May cause cough, shortness of breath, and irritation symptoms in the respiratory tract.

### **Acute Toxicity Data:**

**Sulfamic Acid** – LD50 (oral rat) > 2,000 mg/kg

**Carcinogenicity:** OSHA, IARC, and NTP do not list sulfamic acid as a carcinogen.

## **SECTION XII: Ecological Information**

### **Toxicity:**

**Sulfamic Acid** – LC50: 70.4 mg/l/96 h (pimephales promelas - fathead minnow), OECD test guideline 203

**Persistence and Degradability:** Not determined

### **Bio-accumulative potential:**

**Sulfamic Acid** – Bioaccumulations is not expected (log Pow 0.1)

**Mobility in Soil:** Not determined

**Other Adverse Effects:** Harmful biological effect due to pH shift. Do not allow to run into surface waters, wastewater, or soil.

### **SECTION XIII: Disposal Considerations**

Dispose of in accordance with all Federal, State and Local regulations.

### **SECTION XIV: Transport Information**

Not regulated

### **SECTION XV: Regulatory Information**

Not applicable

### **SECTION XVI: Other Information**

Supersedes: 29 January 2013  
Date Revised: 8 July 2015

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