

**IDENTITY**Trade Name: *ResiLute™ Multi-Purpose Resin Cement*

Code: RES-C, RES-U

Chemical Description: Glass-filled resin with photo-initiator and self-cure chemistry.

Product Use: Multi-purpose, dual-cure dental resin cement in two parts.

**SECTION I**

Pulpdent Corporation

80 Oakland Street

Watertown, MA 02472 USA

Date prepared: September 1, 2008

**Phone Numbers**

24 Hour Emergency: 1-800-535-5053

Customer Service: 1-800-343-4342/1-617-926-6666

**SECTION II - HAZARDOUS INGREDIENTS**

<i>Ingredients</i>	<i>CAS Number</i>	<i>PEL / TLV</i>
Uncured Methacrylate resins	-----	Not established
Amorphous silica	112945-52-5	6 mg/m <sup>3</sup> / 10 mg/m <sup>3</sup>
Sodium fluoride	7981-49-4	2.5 mg/m <sup>3</sup> (as F)
DOT HAZARD CLASSIFICATION:	Not regulated	
WHMIS CLASSIFICATION:	D-2, Possible irritant	
NFPA HMIS RATING: HEALTH: 0	FLAMMABILITY: 0	REACTIVITY: 1

**SECTION II - PHYSICAL / CHEMICAL CHARACTERISTICS**

Specific gravity: 1.44

Vapor pressure: &lt;1 mm Hg

Vapor density: 1

Solubility in water: Nil

Odor: Faint characteristic odor

Odor threshold: Not available

Appearance: Base and Catalyst: Off-white, thickened liquids.

**SECTION IV - FIRE AND EXPLOSION HAZARD**

Flash point: Not established

Auto-ignition temperature: Not established

Flammable limits: Not established

Hazardous Combustion Products: Under fire conditions and with amounts greater than that supplied in this product, hazardous polymerization may occur with heat build up and release of carbon monoxide, carbon dioxide, and oxides of nitrogen.

Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam or water fog. Water spray may be used to keep exposed containers cool.

Special Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel. Cool exposed containers with water spray to prevent polymerization under fire conditions.

**SECTION V - REACTIVITY DATA**

Stability: Stable

Conditions to avoid: Strong light sources, temperature &gt;100°F, cross contamination.

Incompatibility: Reducing and oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of nitrogen

Hazardous Polymerization: None under normal conditions of use.

Conditions to avoid: Strong light sources, temperature &gt;100°F, cross contamination.

**SECTION VI - HEALTH HAZARD DATA**

Summary of Acute Hazards: Minimal health hazard in the quantity present in this product and under normal conditions of use. May be irritating to eyes, mucous membranes or skin on contact or with prolonged exposure.

*Route of Exposure*

Inhalation

Eye contact

Skin absorption

Skin contact

Ingestion

*Signs and Symptoms*

May be irritating to mucous membranes.

May be irritating.

Not applicable

Primary route of exposure. May be irritating.

None expected. May be irritating to mucous membranes.

*Summary of Chronic Hazards:* Material may be sensitizing with prolonged or repeated exposure, especially in susceptible individuals.

Carcinogenicity

Not known to be a carcinogen.

Teratogenicity, Mutagenicity, Reproductive toxicity: None known

*Emergency First Aid Procedures*

Inhalation

Move exposed person to fresh air. Seek medical care.

Eye contact

Flush eyes with running water for 15+ minutes. Seek medical attention for persistent irritation.

Ingestion

Rinse mouth. Consult physician.

Skin contact

Wash skin with soap and water.

*SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE*

Handling/Storage Precautions: Avoid temperature extremes, strong light, cross contamination, moisture.

Release or Spill: Wear gloves and safety glasses. Pick up with absorbent material (paper or cloth) and collect for suitable disposal. Wash area of spill with alcohol.

Waste Disposal Method: Follow all government regulations.

Other Precautions: Wash hands after use.

*SECTION VIII - CONTROL MEASURES*

Respiratory Protection: Not necessary under normal conditions of use.

Ventilation: No special ventilation required under normal conditions of use.

Protective Gloves: Recommended

Eye Protection: Safety glasses are recommended under normal conditions of use. Wear chemical splash goggles if there is a possibility of splashing or contact.

Other Protective Clothing/Equipment: Emergency eye wash fountain should be close by and maintained.

Work / Hygienic Practices: Wash hands after use

---

*The information presented herein is believed to be factual as it has been derived from the works of persons believed to be qualified experts. However, nothing contained in this information is to be taken as a warranty or representation for which Pulpdent Corporation bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.*