

MATERIAL SAFETY DATA SHEET: FLOWS-RITE™IDENTITY

Trade Name: FLOWS-RITE
Chemical Description: Glass filler materials in methacrylate resins.
Product Use: Flowable dental composite

SECTION I

Pulpdent Corporation
80 Oakland Street
Watertown, MA 02472 USA

Phone Numbers:
24 Hour Emergency: 1-800-535-5053
Customer Service: 1-800-343-4342 / 1-617-926-6666

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SECTION II - HAZARDOUS INGREDIENTS

	CAS Number	PEL /TLV
Uncured methacrylate resin mixture	-----	Not established
Amorphous silica	112945-52-5	6 mg/m ³ / 10 mg/m ³
Sodium fluoride	7981-49-4	2.5 mg/m ³ (as F)

DOT HAZARD CLASSIFICATION: Not regulated
WHMIS CLASSIFICATION: D-2 possible irritant
NFPA HMIS RATING: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 1

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Specific Gravity: 1.930 Vapor Pressure: <1 mm Hg Vapor Density: 1
Solubility in water: Nil Odor Threshold: Not established
Appearance and Odor: Thin paste with faint characteristic odor in universal and tooth shades.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: not established Flammable limits: not established
Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam, or water fog are recommended. Water spray may be used to keep fire 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.
Hazardous Combustion Products: Hazardous polymerization with heat build up and release of carbon monoxide, carbon dioxide and oxides of nitrogen may occur under fire conditions.

SECTION V - REACTIVITY DATA

Stability: Stable Conditions to avoid: Temperature >100°F, intense light.
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: Temperature >100°F, intense light.

SECTION VI - HEALTH HAZARD DATA

Summary of Acute Hazards: Minimal health hazard under normal conditions of dental practice. May be irritating to eyes, mucous membranes or skin on contact.

Route of Exposure

Inhalation

Eye Contact

Skin Absorption

Skin Contact

Ingestion

Signs & Symptoms

May be irritating to mucous membranes

May be irritating

Not applicable

Primary route of exposure. May be irritating

May be irritating to mucous membranes.

Summary of Chronic Hazards: Methacrylate resins may be sensitizing in certain susceptible individuals.

Carcinogenicity

None known

Teratogenicity

None known.

Mutagenicity

None known.

Reproductive Toxicity

None known.

Emergency First Aid Procedures:

Inhalation

Move to fresh air. Administer oxygen or artificial respiration as necessary and seek medical attention for difficult breathing.

Eye contact

Flush eyes under running water for 15+ minutes. Seek medical attention for continued irritation or redness.

Ingestion

Consult physician immediately.

Skin contact

Wash skin with soap and water for 15+ minutes.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE

Handling and Storage Precautions: Keep tightly capped in original container. Avoid temperature extremes, intense light, moisture and contamination.

Release or Spill: Absorb and/or wipe up spill with suitable material (paper towels, cloths); collect for disposal. Wash area of spill with alcohol.

Waste Disposal Method: Follow all government regulations.

Other Precautions: Re-cap syringe immediately after use to prevent polymerization.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: None required.

Ventilation: No special ventilation recommended under anticipated conditions of normal use.

Protective Gloves: Recommended.

Eye Protection: Safety glasses are recommended.

Other Protective Clothing or Equipment: Lab coat should be worn to protect skin; emergency eye wash fountain should be close by and maintained.

Work/Hygienic Practices: Wash hands after use.

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