

# Materials Safety Data Sheet

## MARK3 Seal & Care Pit & Fissure Sealant SC

**IDENTITY** Trade Name: **MARK3 Seal & Care Pit & Fissure Sealant** - Natural shade

Codes:

Chemical Description: Light-cured, glass-filled resin

Product Use: Dental sealant

### SECTION I

Cargus International, Inc.  
135 North Route 9W  
Congers, NY 10920

Phone Numbers:  
24 Hour Emergency: 1-800-535-5053  
Customer Service: 1-845-267-2600

Date Prepared: July 12, 2009

### SECTION II -HAZARDOUS INGREDIENTS

Ingredients	CAS Number	PEL/TLV
Uncured Acrylate resins	-----	Not established
Silica, amorphous	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 III -PHYSICAL / CHEMICAL CHARACTERISTICS

Specific Gravity: 1.575	Vapor Pressure: <1 mm Hg
Vapor Density: 1	Evaporation Rate: Not available
Solubility in water: Nil	Odor Threshold: Not available
Appearance and Odor: Thin paste, either natural tooth shade or off-white, both with faint characteristic odor.	

### 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. 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.

#### 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: May be sensitizing, especially with prolonged and/or repeated exposure.

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 if required and seek medical attention.

Eye Contact

Flush eyes with running water for 15+ minutes. See medical attention.

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: Avoid temperature extremes, light and moisture.

Release or Spill: Absorb / wipe up spill with suitable material; collect for disposal.

Waste Disposal Method: Follow all government regulations.

Other Precautions: None

### 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 or goggles are recommended.

Other Protective Clothing or Equipment: Emergency eye wash fountain.

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 Cargus International, Inc. bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.*