

MATERIAL SAFETY DATA SHEET

SonicFill

Dental restorative material

1 - IDENTIFICATION

Manufacturer: Kerr Corporation
Address: 1717 West Collins Avenue
City, State, Zip: Orange, CA 92867
Telephone: 1-800-KERR-123
Emergency: Chemtrec 1- 800-424-9300
Date Prepared: December 2010

2 - COMPOSITION INFORMATION

Hazardous Ingredients

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Glass, oxide, chemicals	65997-17-3		5 mg/m ³ *	60-100
Silicon dioxide	7631-86-9		6 mg/m ³ **	5-10
Ethoxylated bisphenol-A-dimethacrylate	56744-60-6			1-5
Bisphenol-A-bis-(2-hydroxy-3-methacryloxypropyl) ether	1565-94-2			1-5
Triethyleneglycoldimethacrylate	109-16-0			1-5

Other:

*8 hour(s). Form: Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract.

** NIOSH REL – TWA: 6 mg/m³ 10 hour(s)

3 – HAZARD IDENTIFICATION

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazard Statements: May causes respiratory tract, eye and skin irritation. May cause allergic skin reaction. Contains material that may cause target organ damage, based on animal data.

Precautions: Do not breathe vapor or mist. Do not get on skin or clothing. Avoid contact with eyes. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

Routes of entry : Dermal contact. Eye contact. Inhalation.

4 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Paste
Color: Various
Odor: Ester/ Fruity.
pH: Not available

4 - PHYSICAL AND CHEMICAL PROPERTIES

Relative Density: 2.2
Viscosity: Not determined
Vapor Pressure (mm Hg): Not determined
Vapor Density (AIR = 1): Not determine
Solubility: Insoluble in the following materials: cold water and hot water.

5 - FIRE AND EXPLOSION HAZARD DATA

Flammability of the product: Product is not flammable.

Extinguishing Media:

Suitable: Use an extinguishing agent suitable for the surrounding fire.

Special exposure hazards: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Hazardous thermal decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Special Fire Fighting Procedures: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6– STABILITY AND REACTIVITY DATA

Stability: The product is stable

Conditions to Avoid: Keep away from heat and direct sunlight

Incompatibility (Material to Avoid): Reactive or incompatible with the following materials: oxidizing materials and acids

Hazardous Decomposition: Under normal conditions of storage and use, hazardous decomposition will not occurred

Hazardous Polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.

7- HEALTH HAZARD DATA

Potential Acute Health Affects:

Inhalation: May be Irritating to respiratory system.

Ingestion: No known significant effects or critical hazards.

Skin: Irritating to skin. May cause sensitization by skin contact especially in sensitive individuals.

Eyes: Irritating to eyes.

Potential chronic health effects:

Chronic effects: Contains material that may cause target organ damage, based on animal data. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. Prolonged or repeated contact can defeat the skin and lead to irritation, cracking and/or dermatitis.

Target organs: Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, eye, lens or cornea.

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7- HEALTH HAZARD DATA

Carcinogenicity:

Classification

Ingredient name	ACGI H	IARC	EPA	NIOSH	NTP	OSHA
Glass, oxide, chemicals	A4	-	-	-	-	-
Silicon dioxide		3				

Mutagenicity: Not available.

Teratogenicity: Not available.

Developmental effects: Not available.

Fertility effects: Not available.

8 - EMERGENCY FIRST AID PROCEDURES

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms persist.

Eyes: In case of contact, immediately flush with plenty of water for 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.

Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Note to physician: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

9 - PRECAUTIONS FOR SAFE HANDLING & USE

Precautions to be taken in Handling:

Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear

appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Precautions to be taken for storage:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 6) and food and drink. Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

10 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up:

Small spills: Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spills: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 12). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

11 - CONTROL MEASURES

Engineering measures: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures: Wash hands, thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection:

Hands: If a risk assessment indicates is necessary Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products.

Eye Protection: If a risk assessment indicates safety eyewear is needed complying with an approved standard should be used when this is necessary to avoid exposure to liquid splashes, mists.

Respiratory: If a risk assessment indicates this is necessary use a properly fitted, air-purifying or air-fed respirator complying with an approved standard.

Skin: Based on the risks assessment recommendations, personal protective equipment for the body should be selected based on the task being performed.

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11 - CONTROL MEASURES

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Work/Hygiene Practices: Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

12 – Disposal Consideration

Waste Disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

13 - TRANSPORTATION INFORMATION

DOT/IMDG/IATA : Not regulated.

14 - SPECIAL INFORMATION

HMIS (Hazardous Material Identification System) Rating:
Health 2 Flammability 0 Physical hazard 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). The customer is responsible for determining the PPE code for this material.

National Fire Protection Association:
Health 2 Flammability 0 Instability 0

Note: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.