

1. Identification

Product name: SonicFill

Recommended use: Dental product

Restrictions on use: Restricted to professional users

Manufacturer: Kerr Corporation
1717 W. Collins Ave.
Orange, CA 92867-5422 - U.S.A.
T 1-800-841-1428 (Customer Service)

Emergency number: (Chemical Spills, Leaks, Fire, Exposure or Accident only):
CHEMTREC 1-800-424-9300 (in the US), 1-703-527-3887 (Outside the US)

Issue date: 05/20/2021

2. Hazard(s) identification

Classification:

Physical hazards	Health hazards
Not classified	Skin sensitization, category 1B Carcinogenicity Category 2 Reproductive toxicity Category 1B

GHS US labeling:

Danger!



Hazard statements (GHS US)	Precautionary statements (GHS US)
H317 - May cause an allergic skin reaction H351 - Suspected of causing cancer by Inhalation. H360 - May damage fertility or the unborn child if swallowed.	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing dust, vapors. P272 - Contaminated work clothing must not be allowed out of the workplace. P280 - Wear protective gloves. P308+P313 - If exposed or concerned: Get medical advice/attention. P302+P352 - If on skin: Wash with plenty of soap and water. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse.

P405 - Store locked up.
P501 - Dispose of contents or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
Glass, oxide, chemicals	65997-17-3	72 – 88
Silicon dioxide	7631-86-9	3 – 9
Triethylene glycol dimethacrylate	109-16-0	0.5 – 1.5
Butylated Hydroxytoluene	128-37-0	< 1
Oxybenzone	131-57-7	< 1
Ethyl 4-dimethylaminobenzoate	10287-53-3	< 1
Cumene	98-82-8	< 1
Zinc oxide	1314-13-2	< 1
Titanium Dioxide	13463-67-7	< 1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

4. First-aid measures

Inhalation: Move the affected person to fresh air. Get medical attention if symptoms occur.

Skin: Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Eyes: Rinse eyes with water as a precaution. Get medical attention if irritation develops and persists.

Ingestion: Call a poison center or a doctor if you feel unwell.

Symptoms/effects: Dust from this product may cause minor eye irritation. Product dust may cause mechanical irritation to the skin and mucous membranes. May cause an allergic skin reaction. This product may cause reproductive harm and/or developmental effects. May cause cancer by inhalation. Risk of cancer depends on duration and level of exposure.

Immediate medical attention and special treatment, if necessary: Not required.

5. Fire-fighting measures

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None.

Fire hazard: This product is not classified as flammable or combustible. Thermal decomposition generates: Carbon oxides (CO, CO₂). Metallic oxides.

Special protective equipment and precautions for fire-fighters: Use water spray or fog for cooling exposed containers. Do not allow run-off from firefighting to enter drains or water courses. Do not attempt to take action without suitable protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing. Avoid contact with eyes, skin and clothing. Do not breathe dust. Do not breathe vapors.

Methods and material for containment and cleaning up: Do not touch or walk on the spilled product. Clean up any spills as soon as possible, using an absorbent material to collect it. Notify authorities if product enters sewers or public waters. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

7. Handling and storage

Precautions for safe handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin and clothing. Wear personal protective equipment. Wash hands with water and soap. Avoid breathing dust, vapors. Ensure adequate ventilation.

Storage conditions: Keep away from heat and direct sunlight. Store in dry, well-ventilated area. Protect container from physical damage. Keep containers closed when not in use to prevent moisture loss.

8. Exposure controls/personal protection

Exposure guidelines:	
Triethylene glycol dimethacrylate	None established.
Butylated Hydroxytoluene	2 mg/m ³ (IFV - Inhalable fraction and vapor) TWA ACGIH TLV;
Oxybenzone	None established.
Ethyl 4-dimethylaminobenzoate	None established.
Cumene	245 mg/m ³ TWA OSHA PEL; 50 ppm TWA OSHA PEL; 50 ppm TWA ACGIH TLV;
Silicon dioxide	20 mppcf TWA OSHA PEL;
Glass, oxide, chemicals	None established.
Zinc oxide	5 mg/m ³ (Fume) 15 mg/m ³ (Total dust), 5 mg/m ³ (Respirable fraction) TWA OSHA PEL; 2 mg/m ³ (R - Respirable particulate matter) TWA ACGIH TLV; 10 mg/m ³ (R - Respirable particulate matter) STEL ACGIH TLV;
Titanium Dioxide	15 mg/m ³ TWA OSHA PEL; 10 mg/m ³ TWA ACGIH TLV;

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: Wear impervious gloves. Consult supplier for specific recommendations.

Eye protection: Use suitable eye protection

Skin and body protection: Wear suitable protective clothing

Respiratory protection: In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and chemical properties

Appearance: Paste.

Physical state	: Solid	Solubility	: Insoluble in water.
Color	: Various	Partition coefficient n-octanol/water (Log Pow)	: No data available
Odor	: Ester Fruity	Auto-ignition temperature	: Not applicable
Odor threshold	: No data available	Decomposition temperature	: No data available
pH	: No data available	Viscosity, kinematic	: Not applicable
Melting point	: No data available	Viscosity, dynamic	: No data available
Freezing point	: Not applicable	Explosion limits	: Not applicable
Boiling point	: No data available	Explosive properties	: No data available
Flash point	: Not applicable	Oxidizing properties	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available		
Flammability (solid, gas)	: Non flammable.		
Vapor pressure	: No data available		
Relative vapor density at 20 °C	: No data available		
Relative density	: 2.2		

No additional information available

10. Stability and reactivity

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to avoid: Keep away from heat and flame. Protect from sunlight.

Incompatible materials : Keep away from oxidizers, strong acids and strong bases.

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

11. Toxicological information

Inhalation: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

Skin: May cause slight irritation to the skin. May cause an allergic skin reaction.

Eyes: May cause minor eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms: This product may cause reproductive harm and/or developmental effects. Suspected carcinogen.

Carcinogenicity: Suspected of causing cancer by inhalation.

Triethylene glycol dimethacrylate: This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

Butylated Hydroxytoluene: IARC 3 - Not classifiable;

Oxybenzone:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Ethyl 4-dimethylaminobenzoate:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Cumene:	IARC 2B - Possibly carcinogenic to humans; NTP Reasonably anticipated to be Human Carcinogen;
Silicon dioxide:	IARC 3 - Not classifiable;
Glass, oxide, chemicals:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Zinc oxide:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Titanium Dioxide:	IARC 2B - Possibly carcinogenic to humans;
Germ cell mutagenicity:	Not classified
Reproductive toxicity:	May damage fertility or the unborn child if swallowed.

Numerical measures of toxicity:

The following are the toxicity values for the components:

Triethylene glycol dimethacrylate:	Oral rat LD50- 10837 g/kg;
Butylated Hydroxytoluene:	Oral rat LD50- > 2930 mg/kg; Dermal rat LD50- > 2000 mg/kg;
Oxybenzone:	Oral rat LD50- > 12800 mg/kg; Dermal rabbit LD50- > 16000 mg/kg;
Ethyl 4-dimethylaminobenzoate:	Oral rat LD50- > 2000 mg/kg; Dermal rat LD50- > 2000 mg/kg;
Cumene:	Oral rat LD50- 1470 mg/kg; Dermal rabbit LD50- > 3160 mg/l;
Silicon dioxide:	No data available
Glass, oxide, chemicals:	Oral rat LD50- > 2000 mg/kg;
Zinc oxide:	Oral rat LD50- > 5000 mg/kg; Dermal rat LD50- > 2000 mg/kg;
Titanium Dioxide:	Oral rat LD50- > 5000 mg/kg;
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	May cause an allergic skin reaction
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified

12. Ecological information

Ecology - general: Toxic to aquatic life with long lasting effects.

Ecotoxicity:

Triethylene glycol dimethacrylate	16.4 mg/L Fish LC50
Butylated Hydroxytoluene	0.199 mg/L Fish LC50; 0.48 mg/L Daphnia EC50; 0.758 mg/L Algae ErC50
Oxybenzone	3.8 mg/L Fish LC50; 1.87 mg/L Daphnia EC50; 0.67 mg/L Algae ErC50
Ethyl 4-dimethylaminobenzoate	1.9 mg/L Fish LC50; 4.5 mg/L Daphnia EC50; 2.8 mg/L Algae ErC50
Cumene	4.8 mg/L Fish LC50; 2.14 mg/L Daphnia EC50; 2.01 mg/L Algae ErC50
Glass, oxide, chemicals	1000 mg/L Fish LC50
Zinc oxide	0.78 mg/L Fish LC50; 0.147 mg/L Daphnia EC50
Titanium Dioxide	1000 mg/L Fish LC50; 100 mg/L Daphnia EC50

Persistence and degradability:

Zinc oxide:	No data available
	Biodegradation is not applicable to inorganic compounds.

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects:

No data available

13. Disposal considerations

Regional legislation (waste): Dispose of in accordance with applicable federal, state, and local regulations.

14. Transport information

Department of Transportation (DOT)

Not regulated for transport

Transport by sea

Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Butylated Hydroxytoluene ; Oxybenzone ; Zinc oxide)

UN-No. (IMDG) : 3082

Class (IMDG) : 9

Packing group (IMDG) : III

Marine pollutant : Yes

Air transport

Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s. (Butylated Hydroxytoluene ; Oxybenzone ; Zinc oxide)

UN-No. (IATA) : 3082

Class (IATA) : 9

Packing group (IATA) : III

15. Regulatory information

SARA Section 313 - Emission Reporting: Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Cumene	98-82-8	< 1%
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CERCLA Section 103:


Cumene	98-82-8	5000 lb
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SARA 302:

Not applicable

SARA Section 311/312 Hazard Classes: Refer to Section 2 for OSHA Hazard Classification.

California Proposition 65:

 **WARNING:** This product can expose you to Cumene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

TSCA: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

INTERNATIONAL INVENTORIES

Australia AICS: One or more ingredient(s) are not listed
Canada DSL: One or more ingredient(s) are not listed
China IECSC: One or more ingredient(s) are not listed
EU EINECS: One or more ingredient(s) are not listed
Japan ENCS: One or more ingredient(s) are not listed
Korea KECL: One or more ingredient(s) are not listed
New Zealand: One or more ingredient(s) are not listed
Philippines PICCS: One or more ingredient(s) are not listed
Taiwan CSNN One or more ingredient(s) are not listed

16. Other information

Revision date : 05/20/2021

NFPA	
NFPA health hazard:	2
NFPA fire hazard:	0
NFPA reactivity:	0

NOTICE

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation, however, KERR Corporation makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.