

MATERIAL SAFETY DATA SHEET

SECTION I – Product/Company Identification

1.1 Product Trade Name:	REPROSIL[®] Impression Material
1.2 Part (Item) Number:	626000 – 626999 All Package Configurations
1.3 Division Name:	DENTSPLY Caulk
1.4 Address:	38 West Clarke Avenue
City State Zip:	Milford DE 19963-0359
Internet Address:	http://www.caulk.dentsply.com
1.5 Emergency Telephone Number:	(800) 424-9300 (Chemtrec)
1.6 Telephone Number for Information:	(302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)
1.7 Date Prepared:	8/4/99 Date Revised: 08/03/02

SECTION II - Hazardous Ingredients/Identity Information

<u>Hazardous Components</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>CAS #</u>	<u>Percent</u>
Silicon Dioxide (Amorphous)	1.2 mg/m ³	10 mg/m ³	7631-86-9	5 – 30 %
Silicon Dioxide (Crystalline)	0.05 mg/m ³	0.05 mg/m ³	14464-46-1	5 - 30 %
Titanium Dioxide	10 mg/m ³	10 mg/m ³	13463-67-7	less than 5 %
Calcium Sulfate	10 mg/m ³	10 mg/m ³	7778-18-9	less than 10 %

Non-Hazardous Components

Vinyl dimethyl polydimethylsiloxane	N. E.	N. E.	68083-19-2	30 – 60 %
Organic Plasticizer	N. E.	N. E.	68515-40-2	less than 5 %
Polymethylhydrogen siloxane	N. E.	N. E.	68037-59-2	less than 10 %
Phenolic Surfactant	N. E.	N. E.	9016-45-9	less than 5 %
Fluorescent organic dye	N. E.	N. E.	39277-28-6	less than 2 %
Ultramarine pigments	N. E.	N. E.	12769-96-9	less than 2 %

Other Information: The Chemical structure of all Ultramarine pigments, regardless of color, are Sodium Aluminosulfosilicate Other colorants are inorganic iron oxides.

SECTION III - Physical/Chemical Characteristics

3.1 Boiling point:	>200°C	3.6 Specific Gravity:	Varies from 1.2 g/cm ³ to 1.45 g/cm ³ depending upon viscosity
3.2 Vapor pressure:	N.E.	3.7 Melting Point:	N.E.
3.3 Vapor density:	N. A.	3.8 Evaporation rate:	<1
3.4 Solubility in water:	Not Soluble		
3.5 Appearance and odor:	Various colored pastes with faint sweet odor.		

SECTION IV - Fire and Explosion Hazard Data

4.1 Flash point (method used):	> 415°F (Pensky Martin CC ASTM 093)
4.2 Flammability (explosive limits):	LEL: N.E. UEL: N.E.
4.3 Extinguishing media:	Sand, foam, carbon dioxide, or dry chemical.
4.4 Special fire fighting procedures:	Fire fighter should wear full protective clothing including a self-contained breathing apparatus.
4.5 Unusual fire and explosion hazards:	During a fire, irritating gasses from the decomposition of the silicone resins may be present.

SECTION V – Reactivity Data

5.1 Stability:	Unstable:	Stable: X
5.2 Conditions to avoid (stability):	Heat greater than 60°C (140°F)	
5.3 Incompatibility (materials to avoid):	Condensation silicones, tin and sulfur, amines and peroxides.	
5.4 Hazardous decomposition or byproducts:	N.E.	
5.5 Hazardous polymerization:	May occur:	Will not occur: X
5.6 Conditions to avoid (polymerization):	Extreme heat.	

SECTION VI - Health Hazard Data

- 6.1 Route(s) of entry:** **Inhalation?:** No **Skin?:** Yes **Ingestion?:** Yes
- 6.2 Health hazards (acute and chronic):** Contact with eyes and skin may cause irritation. In susceptible persons, skin reactions may occur. This is short term and should go away after washing with soap and water.
- 6.3 Carcinogenicity:** **NTP?:** Not listed **IARC monographs?:** Not listed **OSHA Regulated?:** No
All components of this product are in compliance with the inventory listing requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
- 6.4 Signs and symptoms of exposure:** Product may irritate the eyes and skin. **Eye contact:** irritation and possible corneal damage. **Skin contact:** irritation or possible allergic response. Reddish rashes may be seen on the skin. **Ingestion:** Low order of toxicity is expected when large amounts of material are ingested. Acute toxicology study in rats LD₅₀ >2,000mg/kg.
- 6.5 Medical conditions generally aggravated by exposure:** Possible skin rashes.
- 6.6 Emergency first aid procedures:** In case of eye contact, flush with flowing water for 15 minutes and get medical attention. **Skin:** Flush with flowing water for 15 minutes, then wash area with mild soap and water. Call physician.
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SECTION VII - Precautions for Safe Handling and Use

- 7.1 Steps to be taken in case material is released or spilled:** Spread vermiculite on paste to absorb any resin. Scoop up and place in an appropriately marked container.
- 7.2 Waste disposal methods:** Dispose of in accordance with Federal, State and Local regulations.
- 7.3 Precautions to be taken in handling and storage:** Store away from food and beverages. Store away from extreme heat.
- 7.4 Other precautions:** Avoid contact with skin. Observe normal warehouse handling procedures. Handling of this product should be by trained dental healthcare professionals only.
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SECTION VIII – Control Measures / Personal Protection

- 8.1 Respiratory protection:** None required during normal use of this product.
- 8.2 Ventilation:** Local exhaust recommended.
- 8.3 Protective gloves:** Vinyl gloves. Latex or Rubber gloves may inhibit set.
- 8.4 Eye protection:** Protective goggles.
- 8.5 Other protective clothing or equipment:** Apron.
- 8.6 Work/Hygienic practices:** Observe normal care when working with chemicals. Avoid eye and skin contact, inhalation and ingestion. Do not eat, drink or smoke when using.

NFPA HAZARD CLASSIFICATIONS	
Health	0
Flammability	1
Reactivity	0
Specific Hazard	N. A.

NFPA - National Fire Protection Association

N.A. - Not Applicable

N.E. - Not Established

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