

Material Safety Data Sheet

Gutta Percha Points

MSDS, Rev. 0

Last revised: February -2007

Approved for Use: February -2007

1. Chemical product and company identification

Product Name: Gutta Percha Points

Company Name: Premier Dental Products Company
1710 Romano Drive
Plymouth Meeting, PA 19462 USA
Tel: 610-239-6000
Fax: 610-239-6171
Emergency Tel: 610-239-6000

2. Hazardous Ingredients/Identity Information

Raw Material	CAS	Risk Symbol	Warning of Risk
Gutta Percha	9000-32-2	N/A	N/A
Zinc Oxide	1314-13-2	N/A	Can be toxic to human being and environmental if it is not used according to the recommendation.
Barium Sulfate	7727-43-7	N/A	Avoid contact and inhalation.
Polyethylene Glycol	25322-68-3	N/A	Can cause light irritation to the eyes. Long contact and under clothes moistened with the product can cause irritation and light discomfort.
Stearic Acid	57-11-4	N/A	Single exposure to vapors or mist is not likely to be hazardous. Prolonged/repeated contact may cause irritation in some individuals. Contact with eyes may cause light eye irritation. Not expected to be toxic by ingestion.

3. Hazards Identification

Routes of Entry: Possible by ingestion

Acute and Chronic Effects: None known.

Signs and Symptoms of Exposure: None known.

Medical Conditions Generally Aggravated by Exposure: None known

4. First Aid Measures

None required

5. Fire Fighting Measures

Flammable (Explosive Limits):

Not established

Extinguishing Media:

CO₂ water, even chemical and foam

Special Fire Fighting Procedures:

Overexposure to thermal decomposition presents a health hazard. Firemen should wear approved self contained breathing apparatus when fighting fire.

Unusual Fire and Explosion Hazards:

None expected

6. Accidental Release Measures

Steps to be taken in case material is released or spilled:

Sweep, shovel or vacuum into container for disposal.

7. Handling and storage

Precautions to be taken in Handling:

Avoid prolonged exposure to natural light and above 37°C/98.6°F.

Precautions to be taken in Storage:

Store away from oxidizing agents.

8. Exposure Controls/Personal Protection

Exposures Limits:

Chemical Name	PEL	TLV
Gutta Percha	N/D	N/D
Zinc Oxide	N/D	5 mg/m ³
Barium Sulfate	N/D	N/D
Polyethylene Glycol	N/D	N/D
Stearic Acid	N/D	N/D

Respiratory Protection:

None required

Ventilation:

N/A

Protective gloves:

N/A

Eye Protection:

Goggles with side shields for lab work.

Other protective Clothing Or Equipment

Common uniform

Work/Hygienic Practices:

Observe standard good personal hygiene, same as working with therapeutic products.

9. Physical and Chemical Properties

Appearance and Odor: Pink conical points, no odor or taste.
Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Solubility in water: No
Specific Gravity: Approx. 2.7g/cm³
Melting Point: Softens at 80°C/176°F
Evaporation Rate: N/A

10. Stability and Reactivity

Stability: Stable
Conditions to avoid: Natural light, excessive heat and humidity.
Incompatibility with other Materials: Strong Oxidants
Hazardous Decompositions or Byproducts: CO, CO₂, Hydrocarbons and zinc fumes.
Hazardous Polymerization: Will not occur.
Conditions to avoid (Polymerization) None

11. Toxicological Information

Chemical Name	LC50 Inhalation	LD50 Oral Administration	Species	LD50 Cutaneous Administration	Species
Gutta Percha	N/D	N/D	N/D	N/D	N/D
Zinc Oxide	N/D	N/D	N/D	N/D	N/D
Barium Sulfate	N/D	N/D	N/D	N/D	N/D
Polyethylene Glycol	N/D	30mL/Kg	Rats	N/D	N/D
Stearic Acid	N/D	23+/-0.7mg/Kg	Mice	N/D	N/D

12. Ecological Information

N/D

13. Disposal Considerations

Dispose in accordance with local regulations

14. Transport Information

ICAO/IATA -
 IMDG -
 ADR/RID -

15. REGULATORY INFORMATION

OSHA – Occupational Safety and Health Administration

NTP – National Toxicology Program

16. OTHER INFORMATION

Legend:

N°CAS	Chemical Abstract Service Registry Number
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
N/A	Not applicable
N/D	Not disposable

Legal Disclaimer: The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from the handling or from contact with the above product.

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