

Safety Data Sheet

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1. PRODUCT IDENTIFICATION

Trade Name (as labeled): DENSFIL TITANIUM OBTURATORS
Chemical Name/Classification: TITANIUM- GUTTA PERCHA
Product Identifier (Part/Item Number): 6 AL4V ELI. Titanium and Dry Natural Rubber
U.N. Number: Not Applicable
U.N. Dangerous Goods Classification: Not Applicable
Recommended Use: Obturating Root Canals
Restrictions on Use: None
Manufacturer/Supplier Name: DENTSPLY Maillefer
Manufacturer/Supplier Address: 608 Rolling Hills Drive Johnson City, Tn, 37604
Manufacturer/Supplier Telephone Number: 1-800-924-7393
Emergency Contact Telephone Number: 1-800-262-8200
Email address: chemtrec@chemtrec.com

2. HAZARD(S) IDENTIFICATION

Hazard/Danger Classification:

| Health | Environmental | Physical |
|----------------|----------------|----------------|
| Not Applicable | Not Applicable | Not Applicable |

Associated Hazards:

| Hazard Statements | Precautionary Statements |
|-------------------|--------------------------|
| Not Applicable | Not Applicable |

EU Classification: Not Applicable

EU Risk (R) and Safety (S) Phrases: Not Applicable

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

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3. COMPOSITION AND INFORMATION ON INGREDIENTS

| Non Hazardous Components | C.A.S. # EC# | IUPAC Name | Substance Classification | WT % |
|--------------------------|-----------------|--------------|--------------------------|---------|
| Titanium | 7440-32-6 | titanium | | Balance |
| | C.A.S.# EC# | IUPAC Name | Substance Classification | WT% |
| Dry Natural Rubber | N/A | Gutta Percha | Natural | Balance |

Refer to Section 16 for the full text of the GHS and H phrases and EU Classifications and R Phrases.

4. FIRST-AID MEASURES





| Routes of Exposure | First Aid Instructions |
|---|---|
| Eye | Rinse opened eye for several minutes under running water |
| Skin | Generally the product does not irritate the skin. |
| Inhalation | Supply fresh air; consult a doctor in case of complaints. |
| Ingestion | If symptoms persist consult a doctor. |
| Other | Not Applicable |
| Note to Physicians (Treatment, Testing, and Monitoring) Not Applicable | |

5. FIRE-FIGHTING MEASURES

| | |
|---|---|
| Suitable Extinguishing Media: | CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam |
| Fire Fighting Procedures: | No special measures required |
| Specific Hazards Arising from the Chemical: | No special measures required |
| Precautions for Fire Fighters: | No special measures required |

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Recommended Protective Equipment for Fire Fighters: Wear positive pressure self-contained breathing apparatus (SCBA) during the attack phase of firefighting operations and during cleanup in enclosed or poorly ventilated areas immediately after a fire.

| EYES/FACE | SKIN | RESPIRATORY | THERMAL |
|---|---|--|---|
|  |  |  |  |




6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, PPE and Emergency Procedures: N/A

Environmental Precautions: N/A

Methods and Materials for Containment and Clean-up: Place in suitable containers for disposal by local, state, or federal waste disposal regulations.

Recommended Personal Protective Equipment for Containment and Clean-up:

| EYES/FACE | SKIN | RESPIRATORY |
|--|--|---|
|  |  |  |

7. HANDLING AND STORAGE

Precautions for Safe Handling: None

Conditions for Safe Storage: Not Applicable




8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: Not Applicable

Biological Exposure Limits: Not Applicable

Appropriate Engineering Controls: Not Applicable

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| | | | |
|---|---|--|---------|
| Individual Protection Measures (PPE) | | | |
| Specific Eye/face Protection: Not Applicable | | | |
| Specific Skin Protection: Not Applicable | | | |
| Specific Respiratory Protection: Not Applicable | | | |
| Specific Thermal Hazards: Not Applicable | | | |
| Recommended Personal Protective Equipment | | | |
| EYES/FACE | SKIN | RESPIRATORY | THERMAL |
|  |  |  | N/A |
| Environmental Exposure Controls: Not Applicable | | | |
| General Hygiene Considerations and Work Practices: Not Applicable | | | |
| Protective Measures During Repair and Maintenance of Contaminated Equipment: Not Applicable | | | |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|-------------------------------|--|---------------|
| Appearance: | Pink coating over silver file | Explosive limits: | Not Available |
| Odor: | None reported | Vapor pressure: | Not Available |
| Odor threshold: | Not Applicable | Vapor density: | Not Available |
| pH: | 7 | Relative density: | 4.5g/cc |
| Melting/freezing point: | 1677°C | Solubility: | Negligible |
| Initial boiling point and range: | 3277°C @ 760mm Hg | Partition coefficient: n-octanol/water: | Not Available |
| Flash point: | Not Available | Auto-ignition temperature: | Not Available |
| Evaporation rate: | Not Available | Decomposition temperature: | Not Available |
| Flammability: | Not Available | Viscosity: | Not Available |
| Explosive Properties: | Not Available | Oxidizing Properties: | Not Available |

10. STABILITY AND REACTIVITY

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| Reactivity: None |
| Chemical Stability: Stable |
| Possibility of Hazardous Reactions: When used and handled according to specifications, this product does not have any harmful effects. |
| Conditions to Avoid: None |
| Incompatible materials: mineral acids, halogens, carbon dioxide, strong oxidizing agents. |
| Hazardous Decomposition Products: N/A |

11. TOXICOLOGICAL INFORMATION

| Signs and Symptoms of Overexposure: None | | | | | | | |
|---|--------------------|--|-----------------------------------|------------------------------------|-----------------|-----------------------------------|-----------------------------------|
| Emergency Overview: Titanium is biocompatible. Gutta Percha is a nonhazardous natural rubber | | | | | | | |
| Likely Routes of Exposure | Signs and Symptoms | Single, Repeated, or Lifetime Exposure | Severity (Mild, Moderate, Severe) | Acute and Chronic Health Effect(s) | Target Organ(s) | LD50 Testing Data (as applicable) | LC50 Testing Data (as applicable) |
| Eye: | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Skin: | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Inhalation: | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Ingestion: | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Other: | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Medical Conditions Aggravated by Exposure: None. | | | | | | | |
| Carcinogenicity: None. | | | | | | | |

12. ECOLOGICAL INFORMATION

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|--|
| Toxicity: No hazards |
| Persistence and Degradability: Stable |
| Bio-accumulative Potential: None |
| Mobility in Soil: None |
| Other Adverse Effects: None |
| Results of PBT/vPvB Assessment: None |

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13. DISPOSAL CONSIDERATIONS

Regulations: Dispose of container and unused contents in accordance with federal, state and local requirements.

Properties (Physical/Chemical) Affecting Disposal: None

Waste Treatment Recommendations: None required.

14. TRANSPORT INFORMATION

UN Identification Number: Not Applicable

UN Proper Shipping Name: Not Applicable

Transport hazard class(es): Not regulated

Packing Group: III

Special precautions for user: None



Include as applicable

15. REGULATORY INFORMATION

U.S. Federal Regulations

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): Not regulated

Toxic Substances Control Act (TSCA): Not regulated

Clean Water Act (CWA): Not regulated

Clean Air Act (CAA): Not regulated

Superfund Amendments and Reauthorization Act (SARA) Title III Information: None

SARA Section 311/312 (40 CFR 370) Hazard Categories: None

| | | | |
|--------------------------|------|---------------------------|------|
| Immediate Hazard: | None | Pressure Hazard: | None |
| Delayed Hazard: | None | Reactivity Hazard: | None |

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|--------------|------|
| Fire Hazard: | None |
|--------------|------|

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):

| Components | C.A.S. # | WT % |
|------------|----------|------|
| None | | |

State Regulations

California: This product contains the following chemical(s) known to the State of California to cause cancer, birth defects or reproductive harm:

| Components | C.A.S. # | WT % |
|------------|----------|------|
| None | | |

International Regulations

Canadian Environmental Protection Act: None

Canadian Workplace Hazardous Materials Information System (WHMIS): None

European Inventory of Existing Chemicals (EINECS): None

| 16. OTHER INFORMATION |
|---|
| Full text of Classification abbreviations used in Section 2 and 3: None |
| Date of SDS Preparation/Revision: 3/11/11 |
| Data Sources: Supplier |