

Material Safety Data Sheet

Stainless Steel Orthodontic Bands

Dentsply GAC International
One CA Plaza, Suite 100
Islandia, NY 11749

Telephone: 1-800-645-5530

1. Identification of the substance/device and manufacturer:		
Stainless Steel Epic Molar Bands, Tempura Molar Bands, Bicuspid Bands, Primary Bands		
Composition, information on ingredients:		
Hazardous Component	Percent	
Iron	60	- 78
Chromium	13	- 25
Silicon	0	- 2
Nickel	5	- 14
Manganese	0	- 4
Carbon	Trace	- Trace
Niobium/Tantalum	Trace	- 1.10
2. Hazards identification:		
While the following effects are associated with one or more of the individual ingredients in the product and are required to be included on the MSDS by the US OSHA hazard communication standard, they are not expected effects during the foreseeable use of the product.		
Allergic Skin Reaction: signs, symptoms can include redness, swelling, blistering and itching.		
Inhalation: health effects from inhalation are not expected unless the product is heated.		
Eye Contact: Eye contact is not expected to occur during normal use of the product.		
Ingestion: Ingestion is not a likely route of exposure to this product.		
Cancer: Chromium, nickel and their compounds are listed in the current annual report on carcinogens (prepared by the National Toxicology Program). Their presence in this alloy is not believed to present a carcinogenic or other health hazard due to their relatively low concentration and/or chemical form.		
3. First aid measures:		
Eye Contact, Skin Contact, Inhalation, Ingestion: No need of first aid anticipated in these events.		
4. Fire fighting measures:		
Flash Point: N/A		
Autoignition Temperature: N/A		
Flammable Limits: N/A		
Extinguishing Media: Non-combustible. Choose material suitable for the surrounding fire.		
5. Accidental release measures:		
Personal Precaution: N/A		
Environmental Precaution: Keep away from drains.		
6. Handling and storage:		
Handling: N/A.		
Storage: Store away from acids.		
7. Exposure controls/personal protection: N/A		
8. Physical and chemical properties:		
Boiling Point: N/A	Specific Gravity: 7.5 – 8.5	
Vapor Pressure: N/A	Melting Point: 2400 - 2800°F	
Percent Volatile: N/A		
PH: N/A		
Solubility in Water: Insoluble		
Evaporation Rate: N/A		
Viscosity: N/A		
Appearance and Color: Small metallic wires with sharp corners and edges.		
9. Stability and reactivity:		
Stability: stable.		
Materials to Avoid: Strong Acids		
Hazardous Polymerization: Will not occur.		
10. Toxicological information:		
See section 3. (Hazards Information)		

Material Safety Data Sheet

Stainless Steel Orthodontic Bands

Dentsply GAC International
One CA Plaza, Suite 100
Islandia, NY 11749

Telephone: 1-800-645-5530

11. Ecological information:

Do not release in waterways or sewer. Metallic ions may release due to persistent contact with aqueous media.

12. Disposal considerations:

Do not release to waterways or sewer. Reclaim if possible.

13. Transport information:

No special precautions are needed.

14. Regulatory information:

This product is:

Class IIa under Council Directive 93/42/EEC,

Class II under CMDR P.C. 1998-783 7 May 1998

Class I under 21 CFR 872.5410.

This MSDS has been compiled based on the requirements of European Community Council Directive 91/155/EEC, and OSHA'S Hazard Communication Standard, 29 CFR 1910.1200.

15. Other information:

The information herein is given in good faith, but no warranty, express or implied, is made.