

SAFETY DATA SHEET

opal ORTHODONTICS

Date Issued: 05/09/2008

MSDS No: 217-001.1

Alta Series and Brighton Series Molar Bands

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: Alta Series and Brighton Series Molar Bands

PRODUCT DESCRIPTION: Molar band material

MANUFACTURER

Opal Orthodontics
505 W 10200 S
South Jordan UT 84095
Product Stewardship: 888-863-5883

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (NORTH AMERICA) :(800) 424 - 9300
(INTERNATIONAL) :+1(703) 527 - 3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS	EINECS	Classification	Content
Iron	001309-37-1	231-096-4		> 50
Chromium	007440-47-3	231-157-5		3 - 29
Nickel Metal	007440-02-0	231-111-4	Xn; R40, R43	3.5 - 42.5

COMMENTS: Has been recognized as a suspect carcinogen by NTP and IARC

(Full text of R-Phrases can be found under heading 16)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Inhalation of dust or fume under normal conditions, exposure to cast ingots presents few health hazards in itself. Thermal cutting and melting of ingots may produce fumes containing the component elements and breathing those fumes may present potentially significant health hazards. Extended (several years) exposure to iron dust or fume may result in signs of pneumoconiosis (i.e. siderosis). Physical examination of those exposed to iron dust has not indicated any disability.

4. FIRST AID MEASURES

EYES: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5. FIRE FIGHTING MEASURES

FIRE FIGHTING PROCEDURES: 1. Metal powder dispersed in air may cause fire and explosions.

2. Molten metal can ignite combustibles.

3. Good housekeeping must be maintained.

FIRE FIGHTING EQUIPMENT: Use dry powder extinguishing agent.

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6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Reduce airborne dust and prevent scattering by moistening with water.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Minimize dust generation and accumulation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear eye protection.

SKIN: When cutting, grinding, welding, or melting, wear suitable protective clothing and gloves.

RESPIRATORY: S38: In case of insufficient ventilation, wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Metal

ODOR: None.

COLOR: Metallic grey

10. STABILITY AND REACTIVITY

STABILITY: Cast ingot is stable at ordinary temperatures; however, caution should be taken with acids, bases, and oxidizers. Molten metal will react violently with water.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY

Notes: This product may contain the following chemicals which are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372: Aluminum, Manganese, Chromium, Nickel, Cobalt, Vanadium, Copper

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available. Contact Env. Dept.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in compliance with governmental regulation (EC 1975L0442-20/11/2003)

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14. TRANSPORT INFORMATION

ROAD AND RAIL (ADR/RID)

HAZARD CLASS: Not classified

AIR (ICAO/IATA)

PRIMARY HAZARD CLASS/DIVISION: Not classified

VESSEL (IMO/IMDG)

PRIMARY HAZARD CLASS/DIVISION: Not classified

15. REGULATORY INFORMATION

16. OTHER INFORMATION

RELEVANT R-PHRASES:

R40: Possible risks of irreversible effects.

R43: May cause sensitization by skin contact.

PREPARED BY: Iris McCallister

REVISION SUMMARY: New MSDS

MANUFACTURER DISCLAIMER: FOR ORTHO USE ONLY: Use as directed. The information and recommendations are taken from sources (raw material MSDS(s) and manufacturer's knowledge) believed to be accurate; however, Opal™ Orthodontics makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.