

SAFETY DATA SHEET

opal ORTHODONTICS

Date Issued: 07/31/2008

MSDS No: 241-001.1

300 Series Stainless Steel

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

PRODUCT NAME: 300 Series Stainless Steel

PRODUCT DESCRIPTION: Stainless steel

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
Chromium	007440-47-3	231-157-5		15 - 20
Nickel Metal	007440-02-0	231-111-4	Xn; R40, R43	8 - 12
Manganese	007439-96-5	--		0 - 2
Molybdeum	007439-98-7	231-107-2		0 - 4
Aluminum	007429-90-5	231-072-3		0 - 2
Copper	007440-50-8	231-159-6		0 - 4
Cobalt Metal Powder	007440-48-4	--		0 - 5

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

3. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"Xn" - Harmful

R40: Limited evidence of a carcinogenic effect.

POTENTIAL HEALTH EFFECTS

EYES: Not Applicable

SKIN: Not Applicable

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

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

5. FIRE FIGHTING MEASURES

FIRE FIGHTING PROCEDURES: General: Evacuate all personnel; use protective equipment for fire-fighting. Use self-contained breathing apparatus when the product is involved in fire.

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6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: NA = Not Applicable

7. HANDLING AND STORAGE

STORAGE: Room Temperature

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear eye protection.

SKIN: S36/37: Wear suitable protective clothing and gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: No characteristic odor

COLOR: Metallic Luster

10. STABILITY AND REACTIVITY

STABLE: Yes

INCOMPATIBLE MATERIALS: Strong acid reaction to form hydrogen gas.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: May cause mild irritation.

SKIN EFFECTS: May cause slight irritation.

CARCINOGENICITY

IARC: Suspect cancer hazard.

OSHA: According to OSHA, nickel is treated as a potential carcinogen for hazard communication purposes because it is included in the NTP and IARC lists on potential human carcinogens. Some scientific studies have found an excess incidence of cancer of the respiratory tract among workers involved in certain steps of certain nickel refining process. However, several reliable studies of workers exposed to various forms of nickel and its compounds have not shown any increased risk of cancer.

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.

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13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

ROAD AND RAIL (ADR/RID)

LABEL: Not classified

AIR (ICAO/IATA)

LABEL: Not classified

VESSEL (IMO/IMDG)

LABEL: Not classified

15. REGULATORY INFORMATION

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION



"Xn" - Harmful

R40: Limited evidence of a carcinogenic effect.

16. OTHER INFORMATION

RELEVANT R-PHRASES:

R40: Limited evidence of a carcinogenic effect.

R43: May cause sensitization by skin contact.

PREPARED BY: Tana Shepherd

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.