

# SAFETY DATA SHEET

opal ORTHODONTICS

Date Issued: 04/09/2008

MSDS No: 214-001.1

NiTi

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

**PRODUCT NAME:** NiTi

**PRODUCT DESCRIPTION:** Nitinol wireform

### 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
Nickel Metal	007440-02-0	231-111-4	Xn; R40, R43	55
Titanium	007440-32-6	231-142-3		45

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

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** R36/38: Irritating to eyes and skin.

## 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 or give oxygen by trained personnel. Seek immediate medical attention.

## 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.

**FIRE FIGHTING EQUIPMENT:** Use dry powder extinguishing agent.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Vacuum or sweep up material and place in a disposal container.

**LARGE SPILL:** After removal, flush contaminated area thoroughly with water.

## 7. HANDLING AND STORAGE

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**HANDLING:** Use suitable protective equipment.

**STORAGE:** Store in a dry area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** No special ventilation requirements.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear eye protection.

**COMMENTS:** Allergy Statement for Nickel: Warning This product contains nickel. A small percentage of the population is known to be allergic to nickel. If an allergic reaction occurs, direct the patient to consult a physician.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Metal

**ODOR:** None.

**COLOR:** Metallic grey

## 10. STABILITY AND REACTIVITY

**STABILITY:** Not Applicable

**POLYMERIZATION:** Not Applicable

**CONDITIONS TO AVOID:** Contact with mineral acids will release hydrogen, a dangerous gas.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Under certain specific conditions, exposure to carbon monoxide may produce nickel carbonyl, a highly toxic gas.

## 11. TOXICOLOGICAL INFORMATION

### CARCINOGENICITY

**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.

## 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:** No classification

### AIR (ICAO/IATA)

**PRIMARY HAZARD CLASS/DIVISION:** No classification

### VESSEL (IMO/IMDG)

**PRIMARY HAZARD CLASS/DIVISION:** No classification

## 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

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