

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 13.01.2009

Revision: 13.01.2009

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** NITI INSTRUMENTS
- **Application of the substance / the preparation** metal alloy
- **Manufacturer/Supplier:**
DENTSPLY MAILLEFER
Chemin du Verger 3
CH-1338 Ballaigues – Switzerland
Tel : + 41 (0)21 843 92 92
Fax : + 41 (0)21 843 92 93
Mail : info@dentsplymaillefer.com
- **Further information obtainable from:** Laboratory
- **Information in case of emergency:** NHS Direct: 0845 46 47 / Fax: 0845 606 46 47




2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product does not have to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** metal alloy containing :

· **Dangerous components:**

CAS: 7440-32-6 EINECS: 231-142-3	titanium	 F; R 15-17	25-50%
CAS: 7440-02-0 EINECS: 231-111-4	nickel	Carc. Cat. 3;  T,  Xi; R 40-43-48/23	50-100%

- **Additional information:** For the wording of the listed risk phrases, refer to section 16.

4 First aid measures

- **General information:** No special measures required.
- **After excessive inhalation:** Supply fresh air; consult a doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult a doctor.

GB

(Contd. on page 2)

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 13.01.2009

Revision: 13.01.2009

Trade name: NITI INSTRUMENTS

(Contd. of page 1)

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Pick up mechanically.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure control/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7

Ingredients with limit values that require monitoring at the workplace:**7440-02-0 nickel**WEL (Great Britain) Long-term value: 0.5 mg/m³
as Ni

- **Additional information:**
As a basis for the production of this document, the most current valid lists were used.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:** Not required.
- **Eye protection:** Not required.

(Contd. on page 3)

GB

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 13.01.2009

Revision: 13.01.2009

Trade name: NITI INSTRUMENTS

(Contd. of page 2)

9 Physical and chemical properties**· General Information**

Form: Solid
Colour: According to product specification
Odour: Odourless

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

· Flash point: Not applicable.

· Ignition temperature: Not applicable.

· Self-igniting: Product is not self igniting.

· Danger of explosion: Product does not present an explosion hazard.

· Density: Not determined.

· Solubility in / Miscibility with water: Insoluble.

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- Dangerous reactions** No dangerous reactions known.
- Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- Acute toxicity:**
- Primary irritant effect:**
 - on the skin:** No irritant effect.
 - on the eye:** No irritating effect.
- Sensitization:** No sensitizing effects known.
- Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

- General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

(Contd. on page 4)

GB

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 13.01.2009

Revision: 13.01.2009

Trade name: **NITI INSTRUMENTS**

(Contd. of page 3)

13 Disposal considerations

- **Product:**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border) :**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

15 Regulatory information

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product has not been classified and marked in accordance with EU Directives / respective national laws.
2008/58/CE (30eme ATP) ; 2006/8/CE
- **Hazard-determining components for labelling:**
nickel

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**
- 15 Contact with water liberates extremely flammable gases.
- 17 Spontaneously flammable in air.
- 40 Limited evidence of a carcinogenic effect.
- 43 May cause sensitisation by skin contact.
- 48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.

GB