



## Material Safety Data Sheet

Issue date of the data sheet: 2010/04/1

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Trade name: **Nori-Vest Zirconia**

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### 1. Chemical Product and Company Identification

Product Name: Nori-Vest Zirconia

#### SUPPLIER

Company Name: **Kuraray Noritake Dental Inc.**

Address: 300 Higashiyama, Miyoshi-cho, Miyoshi, Aichi  
470-0293 Japan

#### MANUFACTURER:

Company Name: **Noritake Co., Ltd.**

Address: 2-39, Tsukisan-cho, Minato-ku, Nagoya, 455-0044 Japan

EMERGENCY TELEPHONE NUMBER: +81-561-32-8953

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### 2. Composition/information on ingredients

Chemical characterization: Ceramic Mixture

Components:

SiO <sub>2</sub> , Silica	< 50%	(CAS No.)14808-60-7
MgO, Magnesium oxide	< 15%	(CAS No.)1309-48-4
ZrO <sub>2</sub> , Zirconium oxide	< 30%	(CAS No.)1314-23-4
NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> , Ammonium dihydrogenphosphate,	< 15%	(CAS No.)7722-76-1

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### 3. Hazard identification

The powder may cause irritation to the eye, nose and throat.

It may cause inflammation upon contact.

Breathing of the powder may cause asthma and inflammatory disease.

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### 4. First aid measures

General Information: No special measures required.

Eyes: Immediately flush eyes with copious quantities of water for 15 minutes; seek medical attention.

Skin: Take off the contaminated clothes and shoes, wash the contacted skin with water; seek medical attention if irritation occurs.

Inhalation: Gargle with plenty of water; seek medical attention.

Ingestion: Drink copious amount of water and vomit it out; seek medical attention.

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#### 5. Fire fighting measure

Fire-fighting method: Non-flammable substances

Suitable extinguishing media: powder, CO<sub>2</sub>,

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#### 6. Accidental release measures

Personal precautions: No special required.

Environmental precautions: No special required.

Methods of cleaning up:

Spilled material shall be collected mechanically without water, and placed in a properly-labeled container for appropriate disposal.

Additional information: No dangerous ingredients are released.

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#### 7. Handling and storage

Handling: Keep away from inhalation, contact of eyes and skin. Wear long sleeve overalls, protective gloves, masks, goggles, and operate at the windward side.

Storage: Keep away from water leakage and moisture. In case of paper container, keep it carefully to prevent damage.

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#### 8. Exposure controls/personal protection

Exposure Limits (as respirable dust) ACGIH TWA

MgO 10mg/m<sup>3</sup>

ZrO<sub>2</sub> date none

SiO<sub>2</sub> 0.1mg/m<sup>3</sup>

NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub> date none

Control concentration: Not applicable

Tolerable concentration: Not applicable

Appliance: Ventilation appliance

Personal protection: Protective mask, goggles, gloves and indicated overalls

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#### 9. Physical and chemical properties

Appearance: White powder

Odor: No noticeable odor

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**10. Stability and reactivity**

Hazardous reactions: Not known

Conditions to avoid:

No special required if used according to the specification.

Hazardous decomposition products: Not known

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**11. Toxicological information**

Toxicological effects: Not determined

Known delayed and immediate effects: Not determined

Additional toxicological information: No irritant effect

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**12. Ecological information**

General information: Not to be hazardous water

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**13. Disposal considerations**

Disposal of the product and contaminated packaging:

Disposal is recommended to be made according to official regulations.

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**14. Transport information**

Keep away from being drenched and violent handling.

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**15. Regulatory information**

Information on the Package

National regulations: Regulations of working safety and hygiene

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**16. Other information**

These data are based on our present knowledge. However, they are illustrated for the easy and safe application of the product and shall not constitute a guarantee or contract.

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