



Material Safety Data Sheet

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

Trade name: **Nori-Vest Alumina**

1. Chemical Product and Company Identification

Product Name: Nori-Vest Alumina

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

2. Composition/information on ingredients

Chemical characterization: Ceramic Mixture

Components:

SiO ₂ , Silica	< 30%	(CAS No.)14808-60-7
MgO, Magnesium oxide	< 15%	(CAS No.)1309-48-4
ZrO ₂ , Zirconium oxide	< 50%	(CAS No.)1314-23-4
NH ₄ H ₂ PO ₄ , Ammonium dihydrogenphosphate,	< 20%	(CAS No.)7722-76-1

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.

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.

5. Fire fighting measure

Fire-fighting method: Non-flammable substances

Suitable extinguishing media: powder, CO₂.

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.

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.

8. Exposure controls/personal protection

Exposure Limits (as respirable dust) ACGIH TWA

MgO 10mg/m³

ZrO₂ date none

SiO₂ 0.1mg/m³

NH₄H₂PO₄ date none

Control concentration: Not applicable

Tolerable concentration: Not applicable

Appliance: Ventilation appliance

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

9. Physical and chemical properties

Appearance: White powder

Odor: No noticeable odor

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

11. Toxicological information

Toxicological effects: Not determined

Known delayed and immediate effects: Not determined

Additional toxicological information: No irritant effect

12. Ecological information

General information: Not to be hazardous water

13. Disposal considerations

Disposal of the product and contaminated packaging:

Disposal is recommended to be made according to official regulations.

14. Transport information

Keep away from being drenched and violent handling.

15. Regulatory information

Information on the Package

National regulations: Regulations of working safety and hygiene

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.
