

First issue: April 1, 2012

# MATERIAL SAFETY DATA SHEET

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## 1. Chemical Product And Company Identification

Product Name: NORITAKE SOLDERING INVESTMENT SQ

General Use : Dental Material for Soldering Work

### SUPPLIER:

#### For US

Kuraray America, Inc.  
33 Maiden Lane, 6th Floor, New York, NY 10038 U.S.A.  
Phone: 800-879-1676 Fax: 888-700-5200  
Website: www.kuraraydental.com

#### For Europe

Kuraray Europe GmbH  
Philipp-Reis-Str. 4, 65795 Hattersheim am Main, Germany  
Phone: +49 (0)69 305 35 840 Fax: +49 (0)69 305 35 640  
E-mail: dental@kuraray.de

#### For Other countries

Kuraray Noritake Dental Inc.  
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

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## 2. Composition/information on ingredients

Chemical characterization: Ceramic Mixture

Components:	CaSO <sub>4</sub> · 1/2 H <sub>2</sub> O	< 30%	(CAS No.)10034-76-1
	SiO <sub>2</sub> , Silica	< 75%	(CAS No.)14808-60-7
	Al <sub>2</sub> O <sub>3</sub> , Aluminium oxide	< 5%	(CAS No.)1344-28-1
	— , Cement	< 1%	(CAS No.)65997-15-1

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## 3. Hazard identification

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

It is uncombined or free silica that is most important in industrial dust exposure. It may penetrate deeper into the lungs in high concentrations.

Local ventilation should be used to keep employee exposure to respirable dust below 0.05 mg/m<sup>3</sup>.

It may cause inflammation upon contact.

Inhaling 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.

**5. Fire fighting measure**

Fire-fighting method: Non-flammable substances

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

**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

CaSO <sub>4</sub> · 1/2 H <sub>2</sub> O	10mg/m <sup>3</sup>
Al <sub>2</sub> O <sub>3</sub>	10mg/m <sup>3</sup>
SiO <sub>2</sub>	0.1mg/m <sup>3</sup>
Cement	data 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

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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.  
Waste Water containing the powder should not be thrown away on  
    the ground or into the sewer pipes.

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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 label  
National regulations:  
    Industrial Safety and Health Law;  
    Enforcement Order of Industrial Safety and Health Law;  
    Ordinance on Industrial Safety and Health

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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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