

No. SDSE003-1
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Drawn up: March 8, 2005

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## Safety Data Sheet

### 1. Product and company information

Product name : Ceramic Stone (NSS)  
Company name : Nihon GC Kogyo Co., Ltd.  
Address : 5-35-5, Shibayama, Funabashi, Chiba, Japan  
Phone : +81-476-46-8691  
FAX : +81-476-46-8693  
Emergency contact

### 2. Summary of hazardous properties

GHS classification <sup>1)</sup> : Not applicable  
Health hazards : Does not contain hazardous inhalant fibers (thickness of less than 3 $\mu$ m). Does not correspond to refractory ceramic fiber (RCF). The powder dust generated in the processing work may irritate the skin and give rise to allergic reactions.

### 3. Composition / information on ingredients

Chemical substance : Mixture  
/Mixture classification  
Chemical name : Inorganic continuous fiber, epoxy resin molded thermoset  
(or general name)  
Concentration or range of concentration : Inorganic continuous fiber 65wt% - 90wt%  
Epoxy resin 35wt% - 10wt%  
CAS No. : \* (\*Chemical identity withheld as trade secret.)

### 4. First aid measures

Countermeasures against the powder dust generated during use of the product or during the polishing, grinding, and deburring processes

In case of inhalation : Gargle using clean water, move to an area where there is fresh air, and seek medical assistance from a doctor where necessary.  
In case of skin contact : Wash the affected area with water or soap. If skin abnormality persists, seek medical assistance from a doctor.  
In case of eye contact : Do not rub the eye, but wash with plenty of water immediately for more than 15 minutes. Seek medical assistance from an ophthalmologist where necessary.

If swallowed : Gargle using clean water, move to an area where there is fresh air, and seek medical assistance from a doctor where necessary.

## 5. Firefighting measures

Extinguishing agents : Although inorganic continuous fiber is not flammable, hardened epoxy resin material is flammable. Use a water spray or other general extinguishing agents.

Extinguishing agents : None in particular

that must not be used

Specific hazardous : May generate irritant gases

properties

Protection for : Use an appropriate air respirator and wear protective

firefighters clothing (heat resistant).

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures : None in particular

Environmental precautions

: None in particular

Methods and equipment for recovery and neutralization, as well as containment and purification

: None in particular

## 7. Handling and storage

### Handling

Countermeasures against the powder dust generated during use of the product or during the polishing, grinding, and deburring processes.

Technical : Carry out the countermeasures described in item 8 to

countermeasures prevent contact and inhalation.

Precaution for safe : Wear protective gear as described in item 8, and take care to

handling prevent the powder dust from scattering.

Avoidance of contact : None in particular

Hygiene measures : After handling the product, take thorough steps in gargling, washing of hands, etc.

### Storage

Conditions for safe : None in particular

storage

Safe containers and : None in particular

packing materials

## 8. Exposure controls / personal protection

Although the product itself has no hazardous properties, use of the product in work that generates powder dust (such as work described in item 7 in the Dust Regulations

Table 1) falls under the dust-producing work processes stipulated in the Ordinance on Prevention of Hazards due to Dust, as well as in the Pneumoconiosis Act. The following forms of control are required.

Controlled concentration	: Ordinance on Prevention of Hazards Due to Dust 3.0mg/m <sup>3</sup> (as product powder dust)
Facility countermeasures	: Either a water and lubrication equipment, a local exhaust ventilation system, or an overall ventilation system should be available. It is desirable to install facilities for gargling, the washing of hands and eyes.
Protective gear	
Protective gear for breathing	: Dust mask (MHLW-approved)
Hand protection	: Wear rubber gloves
Eye protection	: Wear protective goggles
Skin and body protection	: Wear dust-proof clothing

## 9. Physical and chemical properties

Physical state	: Solid
Color	: [Stick type] Red (SR), White (SW), Blue (SB), Black (SP), Orange (SO) Brown (SL), Gold (SG), Emerald (SE), Violet (SV) [Rod type] Red (SR), White (SW), Blue (SB), Black (SP), Orange (SO) Brown (SL), Gold (SG), Emerald (SE)
Odor	: None
Melting point/ freezing point	: No data
Boiling point or initial boiling point/ boiling range	: No data
Flammability	: No data
Lower and upper explosion limit/ flammability limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data
pH	: Not applicable
Kinematic viscosity	: Not applicable
Solubility	: Mostly insoluble in water and other solvents
n-Octanol/ water partition coefficient	: Not applicable
Vapor pressure	: Not applicable

Density and/ or relative density : Approx. 2.5  
Relative vapor density : Not applicable  
Particle characteristics : No data

#### 10. Stability and reactivity

Reactivity : None in particular  
Chemical stability : Stable  
Possibility of hazardous reactions : None in particular  
Conditions to avoid : None in particular  
Incompatible materials : None in particular  
Hazardous decomposition products : During combustion, irritant gases may be generated.

#### 11. Toxicological information

Acute toxicity : No data  
Skin corrosion/ irritation : Not classifiable due to lack of data  
Serious eye damage/ irritation : No data  
Respiratory or skin sensitization : No data  
Germ cell mutagenicity : No data  
Carcinogenicity : No data  
Reproductive toxicity : No data  
Specific target organ toxicity—single exposure : No data  
Specific target organ toxicity—repeated exposure : No data  
Aspiration hazard : No data

#### 12. Ecological information

Ecotoxicity : No data  
Persistence and degradability : Not degradable  
Bioaccumulative potential : No data  
Mobility in soil : None  
Hazardous to the ozone layer : No data

#### 13. Disposal considerations

Residual waste : Comply with the related laws when disposing of the product, such as the Waste Management and Public

Contaminated packing : Cleansing Act.  
: Dispose of properly in compliance with related laws and regulations.

#### 14. Transport information

International laws : Not applicable  
Domestic laws : Not applicable  
Special safety measures to be taken in transportation : Other than the points noted in "Handling and storage", prevent water leakage and rough handling to maintain product quality.

#### 15. Applicable laws

Ordinance on Prevention of Hazards due to Dust : Work that involves the use of the product in dust-generating work falls under Annexed Table 1(7) (dust-generating work)  
Pneumoconiosis Law : Work that involves the use of the product in dust-generating work falls under Annexed Table 2(7) (dust-generating work)  
Does not fall under stipulations of the Industrial Safety and Health Act, Air Pollution Control Act, Water Quality Pollution Control Act, and PRTR Law

#### 16. Other information

References : 1) Chemicals that fall under GHS Classification, released by the Incorporated Administrative Agency National Institute of Technology and Evaluation

These contents were drawn up based on material and information that could be obtained at this point in time. However, we are unable to provide any form of warranty with respect to the data and evaluation contained in this document. The stipulations are applicable to normal handling of the substances or products. In the case of special handling of the substances or products, please put in place safety measures that are appropriate for the new usage and methods of usage when handling the substances or products.