

## Material Safety Data Sheet

### 1. Chemical Product and Company Identification

Product Name: Kaolin JP-100, NN Kaolin Clay, HARDSIL,

Common Name: Kaolin Clay

Chemical Name : Hydrate Aluminum Silicate

Molecular Formula:  $[\text{Al}_2\text{Si}_4\text{O}_{10}(\text{OH})_2] \cdot 5\text{SiO}_2$

CAS No: No Relevance

Product use: Filler. Extender.

Supplier: Takehara Kagaku Kogyo.CO.,LTD.

Osaka Daiichi-Seimei Bildg.

8-17,Umeda 1-chome, Kita-ku, Osaka 530-0001 Japan

Phone: 06-4797-1201

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### 2.Composition/Information on Ingredients

Ingredients	wt% in product	Notes
Kaolin Clay	~100%	Naturally occurring
$[\text{Al}_2\text{Si}_4\text{O}_{10}(\text{OH})_2] \cdot 5\text{SiO}_2$		

### 3.Hazards Identification

Flash Point, °C: Not Applicable

Potential Health Effects:

Inhalation: May cause irritation of the respiratory tract. Prolonged or repeated exposure causes lung damage as silicosis or pneumoconiosis.

Ingestion: No adverse health effects are expected from swallowing.

Eye Contact: Dust may cause irritation and inflammation.

Skin Contact: May cause skin irritation.

Carcinogenicity: A4, Not classifiable as a human carcinogen by ACGIH.

Aggravated Medical Conditions: Pulmonary disorders.

### 4.First Aid Measures

Inhalation: Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

Ingestion: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician.

Skin Contact: Wash with soap and water

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minute and get medical attention if irritation persists.

**5.Fire Fighting Measures**

Flash Point, °C: Not Applicable  
Autoignition Temperature, °C: Not Applicable  
Lower Explosive Limit, %: Not Applicable  
Upper Explosive Limit, %: Not Applicable  
Fire and Explosion Hazard: Not a fire or explosion hazard.

**6.Accidental Release Measures**

Spill Procedures: Scoop up vacuum in to a container for reclamation or disposal.

**7.Handling and Storage**

Material may be slippery when wet.

Store in cool dry place.

Avoid breathing dust.

Avoid contact with eyes.

Use with adequate ventilation.

**8.Exposure Controls/Personal Protection**

Ingredient	Weight in Product(%)	ACGIH TLV*
Kaolin [Al <sub>2</sub> Si <sub>4</sub> O <sub>10</sub> (OH) <sub>2</sub> ] · 5SiO <sub>2</sub>	~100%	2mg/m <sup>3</sup> (Respirable friction)

\*TWA for 8 hours

Personal Protective Equipment: Safety glasses with side shields. Wear suitable gloves.

Respiratory Protection: Use an approved respirator as necessary to protect from dust.

Ventilation: General ventilation. Local exhaust ventilation is recommended to control exposures to within applicable limits.

**9.Physical and Properties**

Form: Powder  
Color: White  
Odor: Odorless  
Solubility (in water): Insoluble  
Boiling Point: Not Applicable  
Specific Gravity: 2.7  
pH5% aqueous suspension: 3.8 ~ 7.5



## 10. Stability and Reactivity

Stability Data:	Stable
Conditions/Hazards to Avoid:	None reactive and inert
Incompatibility (Materials to Avoid):	None reactive and inert
Hazardous Decomposition Products:	None reactive and inert
Polymerization:	None reactive and inert

## 11. Toxicological Information

### Information on Components:

Ingredients:	Kaolin Clay
Weight in product(%):	~100%
Acute Toxicity-Oral:	Not Available
Acute Toxicity-Inhalation:	Not Available
Acute Toxicity-Dermal:	Not Available
Acute Toxicity-Other:	Not Available

## 12. Ecological Information

### Information on Product:

Environmental Fate:	No data available
Ecotoxicological Information:	No data available

## 13. Disposal Considerations

### Disposal of Waste Method:

Local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

## 14. Transport Information

International Transport Regulations: Not Regulated

## 15. Regulatory Information

Regulations will vary by location.

## 16. Other Information

We believe this information to be reliable and up-to-date as of the date of publication, but make no warranty that it is.

The Date of Issue: July 25, 2003