

MATERIAL SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

1.1 Product Name:

HI ALUMNAS

1.2 Company /Undertaking identification

Manufacturer's Name: **SHOFU INC.**

Address: 11 Kamitakamatsu-cho, Fukurine, Higashiyama-ku, Kyoto 605-0983, JAPAN

Phone: +81-75-561-1112

Fax: +81-75-561-2273

Section in Charge: Quality Assurance Section

Date Prepared 2011.9.30

1.3 Emergency Telephone Number

+81-75-561-1112

2. Hazardous identification

GHS CLASSIFICATION

PHYSICAL HAZARDS	FLAMMABLE SOLIDS	Not Classified
	PYROPHORIC SOLIDS	Not Classified
	SELF-HEATING SUBSTANCES AND MIXTURES	Not Classified
	SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER, EMIT FLAMMABLE GASES	Not Classified
HEALTH HAZARDS	OXIDIZING SOLIDS	Not Classified
	ACUTE TOXICITY-ORAL	Not Classified
	CARCINOGENICITY	Not Classified
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)	Category 3 (respiratory tract irritation)
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)	Category 1 (lung)

The thing without mention is out of a classification object. Or cannot classify it.

LABEL ELEMENTS

SYMBOL



SIGNAL WORD

Danger

HAZARD STATEMENTS

May cause respiratory irritation

Causes damage to organs through prolonged or repeated exposure (lung)

PRECAUTIONARY STATEMENTS

[Prevention]

Do not handle until all safety precautions have been read and understood.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Do not breathe dust.

Wash hands thoroughly after handling.

[Response]

If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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If you feel un-well, get medical advice/attention.

[Storage]

Store in a cool and dark area.

[Disposal]

Dispose of contents and container in accordance with regulation.

3.Composition/information on ingredients

Aluminium Oxide [Cas No.1344- 28- 1]

No hazardous material are present present in the ingredient..

4.First- aid measures

4.1 *Eye contact* : Flush promptly with flowing water and consult physician, if necessary.

4.2 *Skin contact* : N/A

4.3 *Ingestion* : N/A

4.4 *Inhalation*: N/A

5.Fire- fighting measures

5.1 *Suitable Extinguishing Media*: N/A

5.2 *Extinguishing Media Should not be used*: N/A

5.3 *Special Exposure Hazards Arising*: N/A

5.4 *Special Protective Equipment*: N/A

6.Accidental release measures

6.1 *Personal Precautions*: N/A

6.2 *Methods for Cleaning Up*: Sweep and wipe up.

7.Handling and storage

7.1 *Handling* Use in accordance with instruction. In case of grinding and polishing , wear dust mask and safety glasses, and using dust respirator and local exhaust.

7.2 *Storage*: Store in a cool, dry and dark place with lid tightly closed.

8.Exposure controls/personal protection

8.1 <i>Exposure limits</i> :	Chemical name	CAS No.	ACGIH TLV
	Aluminium Oxide	1344- 28- 1	N/A

8.2 *Respiratory Protection*: Local exhaust may be required.

8.3 *Hand Protection*: N/A

8.4 *Eye Protection*: Safety goggles may be required.

8.5 *Skin Protection*: N/A

9.Physical and chemical properties

9.1 *Appearance/Odor* Odorless powder

9.2 *Boiling Point/Boiling Range*: 3000°C

9.3 *Melting Point/Melting Range*: 2053°C

9.4 *Flash point*: N/D

9.5 *Auto flammability*: N/D

9.6 *Explosive Properties*: N/D

9.7 *Oxidizing Properties*: N/D

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9.8 Vapour Pressure: N/D
9.9 Relative Density: approx.4
9.10 Solubility: water solubility Insoluble

10.Stability and reactivity

10.1 Stability: Stable under normal temperatures and pressures.
10.2 Condition to avoid: N/A
10.3 Material to avoid: N/A

11.Toxicological information

Oral	rat	LD50	> 5000mg/kg
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12.Ecological information

No information

13.Disposal considerations

Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).

14.Transport information

Airline restriction information ; It doesn't correspond.
UN No. ; It doesn't correspond.
Sea restriction information ; It doesn't correspond.
UN No. ; It doesn't correspond.

15.Regulatory information

Follow all regulations in your country.

16.Other information

This product is intended for use by dental professionals. (instrument/material)