

# MATERIAL SAFETY DATA SHEET

## 1. Product/Company Information

### 1.1 Product Name:

**Ceravety Press & Cast Liquid**

### 1.2 Company /Undertaking identification

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

Address: 11-Kamitakamatsu-Cho Fukunine Higashiyama ku Kyoto 605 -0983,JAPAN

Phone Number for Information: 81-75-561-1112

Signature of Person Responsible:

Date Issued: 2009.01 . 21

### 1.3 Emergency Telephone Number

81-75-561-1112

## 2. Composition/Information on Ingredients

Composition	CAS No.	MITI	%
Silica (amorphous)	7631-86-9	1-548	30 ~ 40
Alkali (Na <sub>2</sub> O)	1313-59-3	1-495	
Water	7732-18-5		

## 3. Hazard Classification

- 3.1 Classification : Not applicable  
3.2 Risk : Incombustible substance  
3.3 Hazard : Silica is amorphous and belongs to Class 3 of IARC.

## 4. First Aid Measures

- 4.1 Eye contact : Immediately flush with running water for at least 15min. and seek medical advice. When wearing lens, remove them prior to flush with water.  
4.2 Skin contact : Immediately flush with water and sufficiently wash with soap in order to avoid skin irritation. Seek medical advice depending on the severity of the symptoms.  
4.3 Inhalation : Remove from exposure and take warm and rest. Seek medical advice if necessary.  
4.4 Ingestion : Immediately spit the liquid, rinse the mouth with clean water and seek medical advice.

## 5. Fire-fighting Measures

Not applicable since this liquid is incombustible.

## 6. Accidental Release Measures

In case of little amount of spill, rinse with water.  
In case of large amount of spill, absorb with waste cloth, put it into empty bottle and neutralize with hydrochloric acid

## 7. Handling And Storage

- 7.1 Handling: Use appropriate protective tools including protective glasses and rubber gloves.  
7.2 Storage: Store indoors at 1-35°C, away from direct sunlight. Use extra caution for not freezing it. Once accidentally frozen, do not use it since it can not present intended performance.

## 8. Exposure Controls/Personal Protection

- 8.1 Exposure limits: Recommendation of Occupational Exposure Limit by The Japan Society for Occupational Health: 2mg/m<sup>3</sup> (as dust of silica 30% or lower)  
5mg/m<sup>3</sup> (as mineral dust of silica less than 30%)  
ACGIH TLV: (TWA) 2.0mg/m<sup>3</sup> [as silica (amorphous) fume]  
OSHA PEL: (TWA) 0.8mg/m<sup>3</sup> [as Total dust]

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8.2 Equipment:	Local ventilation system, water tap, eye washer
8.3 Eye Protection:	Protective glasses
8.4 Hand Protection:	Rubber or plastic gloves
8.5 Protective clothes:	Apron etc.

OSHA: Occupational Safety and Health Administration  
ACGIH: American Conference of Governmental Industrial Hygienists

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## 9. Physical And Chemical Properties

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9.1 Appearance:	Translucent light milky white and viscous liquid
9.2 Boiling point:	Approx. 100°C
9.3 Gravity or specific gravity:	Approx. 1.2
9.4 Solubility (water):	Soluble
9.5 PH:	9 ~ 11

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## 10. Hazard Data (Stability / Reactivity)

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10.1 Flash point:	Not applicable
10.2 Ignition point:	Not applicable
10.3 Flammability:	Not applicable
10.4 Explosive limit:	Not applicable
10.6 Stability/Reactivity:	Stable in normal usage However, when mixed with alkali, may turn in to a gel.

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## 11. Health Hazard Data (including clinical cases and epidemiologic information)

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11.1 Irritation (skin / eye etc):	Slight sensitivity As Silica (amorphas); classified into IARC (International Agency for Research on Cancer) carcinogenic Class 3.
11.2 Carcinogenicity:	
11.3 Others:	May cause infectious symptoms.

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## 12. Ecological Information

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12.1 Degradability:	No data available
12.2 Bioaccumulation:	No data available
12.3 Fish toxicity:	No data available

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## 13. Disposal Conditions

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As indicated in section 6. Accidental Release Measure in this Material Safety Data Sheet, neutralize with hydrochloric acid. Solidify by mixing with dental phosphoric acid investment powder and entrust an industrial waste disposer to dispose properly or dispose properly in accordance with the rules by local public entity

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## 14. Transport Information

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See section 7. Handling and Storage

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## 15. Regulatory Information

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Industrial Safety and Health Law: Hazardous substances designated to be notified: Silica.

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## 16. Other Information

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This information in this Material Safety Data Sheet (MSDS) is based on the information, material and data that SHOFU has obtained as of the date issued. Therefore, information will be revised when we receive new information or data. All the measures and precautions in this MSDS are applied to the intended use described in the Instructions for Use of this product. User is responsible for determining whether this product is fit for a particular purpose and suitable for user's method of use or application.  
\*This product is designed to be used for dental usage. In the case where the user intends to use for any other purposes, implement safety measures for specific purpose and check the performance prior to use.