

## Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : WELDING POWDER  
Company name : Asahi Engineering Co.,Ltd.  
Address : 4-4-3 Sagisu Fukushima-Ku OSAKA 553-0002 JAPAN  
Phone : 81-6-6452-5811  
Fax : 81-6-6452-5770

### 2. HAZARDS IDENTIFICATION

|                    |   |
|--------------------|---|
| Dangerousness      | There is a risk of slipping if the product is spread out on the floor.<br>Nonflammable and no risk of explosion.<br>Broken pieces of the product may get stuck in eyes. |
| Hazardousness      | May cause pneumoconiosis through prolonged or repeated exposure to dust which is generated from abrasive operation.<br>May cause skin irritation by contact.            |
| GHS classification | Not applicable  |

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

|                                  |                 |
|----------------------------------|-----------------|
| Single product / Mixed product   | Single product  |
| Chemical name / general name     | Soda-lime glass |
| Content                          | 99.9% and over  |
| Notice through official gazettes | None            |
| CAS No.                          | 65997-17-3      |
| UN classification                | Not applicable  |

### 4. FIRST AID MEASURES

|           |   |
|-----------|---|
| Eye       | Do not rub. Flush eyes with clean flowing water . If eye irritation persists, get medical attention.  |
| Skin      | Causes no harm. Shake off and flush with water .  |
| Ingestion | Causes no harm by ingesting a small amount . The product is nondigestible, and naturally exits the body like sands or pebbles. If ingested in large amounts, get medical attention. |

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## 5. FIRE FIGHTING MEASURES

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|-------------------------|---|
| Firefighting procedures | The product is nonflammable and nonreactive.<br>No special procedures are needed. |
| Extinguishing Media     | Compatible with any firefighting method.  |

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## 6. ACCIDENTAL RELEASE MEASURES

There is a risk of slipping if the product is spread out on the floor. Scattered product should be soon recovered.

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## 7. HANDLING AND STORAGE

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| Handling | High flowability material, and continue to leak from a small hole.<br>To avoid leaking, be careful not to damage containers.<br>Use dust mask and dust-proof glasses to avoid inhaling dust or eye injury.<br>The worker should stand on the windy side. |
| Storage  | The product may cake under humidity.<br>Keep containers tightly closed, and storage in a dry indoor place.   |

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## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

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|---------------------------------|--|
| Control limit                   | 3.0mg/m <sup>3</sup> ( Free silicic acid is not contained. No.369 announcement of Ministry of Health, Labour, and Welfare )                                  |
| Exposure limit                  | Inhalant dust : 2mg/m <sup>3</sup> (Dust of the third kind)<br>Total dust : 8mg/m <sup>3</sup> (Dust of the third kind)                                      |
| Facility and equipment measures | Install local ventilating equipments in the workplace, and use partitions to avoid scattering. The ventilating equipments must have dust collection systems. |
| Personal protective equipments  | Respiratory protection : Dust mask (Official approved)<br>Eye : Dust-proof goggles<br>Hand : Protective gloves<br>Skin and body protection : Not necessary   |

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                       |   |
|-----------------------|---|
| Appearance            | Granulose substance (White ~ Light green )  |
| Smell                 | None  |
| Softening temperature | About 730°C   |
| Specific gravity      | About 2.5   |
| Solubility            | Insoluble in water or organic solvent.<br>Partially soluble in strong alkali or fluorine. |

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## 10. STABILITY AND REACTIVITY

The product is stable in heat, light, or shock. It may cake under humidity.

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## 11. TOXICOLOGICAL INFORMATION

Acute toxicity : None  
Chronic toxicity : None  
Carcinogenicity : None  
Mutagenicity : None  
Irritation : No particular irritating nature, but may cause skin irritation by contact.  
Other : May cause pneumoconiosis through prolonged exposure to fine dust of the product..

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## 12. ECOLOGICAL INFORMATION

Migration : Dust generated from blasting easily scatters in the air.  
Accumulation : None  
Environmental effect : Dust released to the environment may cause environmental damages.  
Other information : None

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## 13. DISPOSAL CONSIDERATIONS

Product wastes can be disposed as general industrial wastes, under litter control, in a manner consistent with local regulations.

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## 14. TRANSPORT INFORMATION

There is a risk of slipping if the product is spread out on the road. For transportation, make sure that the containers don't have a leakage and they are stacked properly to avoid road shift, turning-over, drop or damage.

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## 15. REGULATORY INFORMATION

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|--|--|
| Industrial Safety and Health Law<br>Pneumoconiosis Law<br>Ordinance on Prevention of Dust Hazard | It corresponds to the mineral.<br>It receives the application by the work. |
| PRTR Law   | Not applicable   |
| Poison Law   | Not applicable   |

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## 16. OTHER INFORMATION

Reference list: The Interpretation of Ordinance on Prevention of Hazards due to Dust  
The counsel of tolerable level or other things, Japan Society for Occupational Health.

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