

**SAFETY DATA SHEET**  
*91/155-93/112EGK/ECC*Date of issue: 25<sup>th</sup> January 2006**1. Identification:**

1.1: Name of chemical agent: Amorphous-silicon-dioxide  
1.2: Trade name: SOLSIL-B  
1.3: Empirical formula: SiO<sub>2</sub>  
1.4: CAS-No.: 7631-86-9  
1.5: EINECS-No.: 231-454-4  
1.8: Producer's name: Bige Holding Trading and Production Ltd.  
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**2. Composition:**

2.1: Active ingredient: silicon-dioxide  
2.2: Application: plastic, rubber aggregate  
plant-protecting material and concrete aggregate

**3. Degree of hazard:**

3.1: Possible risks: not classified  
3.2: Hazard sign: not classified  
Symbol: not classified  
3.3: Phrase R: -  
3.4: Phrase S:

2: Keep closed and out of reach by children.  
22: Do not breathe dust.  
24/25: Avoid contacting with skin and eyes.

**4. First aid:**

4.1: Inhalation: - Fresh air.  
4.2: Eye: - If the SOLSIL B gets into eyes, flush for at least 10-15 minutes  
by plenty of water with eyes opened wide.  
4.3: Skin: - If the product contacts skin, whisk the dust off and flush the  
impured body-surface with copious amounts of water.

### **5. Inflammability and to be taken in care of fire:**

- 5.1: Inflammability class: " E " Not flammable.
- 5.2: Extinguishing media: - SOLSIL B is unburnable product. In case of fire use extinguishing media appropriate to surrounding fire conditions.
- 5.3: Protective clothing: - Suitable equipment for the protection of eyes, skin and breathing.

### **6. Accidental Release:**

- 6.1: Personal precautions: - Avoid contacting skin.  
- Avoid getting into eyes.  
- Do not breathe dust and avoid arising dust.
- 6.2: Environmental precautions:  
- Avoid getting into the environment.
- 6.3: Measures during removal:  
- Mechanical removal.

### **7. Handling and storage:**

- 7.1: Handling: Safe handling advice:  
- Avoid arising dust.  
- In case of dust, suitable removal should be provided.  
- Wash your hands after handling.  
- Wear suitable mask.
- Fire-protection advice: - „E” inflammability class, special measures are not necessary.
- 7.2: Storage:  
- It should be stored in suitable package, which can be closed.  
- The self-life of the substance is limitless.

### **8. Conditions of working without risk:**

- 8.1: Technical protection: - Suitable mechanical ventilation is required.
- 8.2: Breathing protection: - Efficient ventilation should be provided.  
- Do not breathe dust.
- 8.3: Eye and face protection: - Avoid contacting eyes and skin.
- 8.4: Skin protection: - Wear protective clothing (closed at neck and wrist) and boots, gloves and face-shield.
- 8.5: Do not eat, smoke or store food at the place or work.
- 8.6: Cold and hot running water for washing should be provided.

### **9. Physical and chemical data:**

- State: solid powder
- Colour: white
- Odour: odourless
- Molecular mass: 60,08 g/mol
- pH (1% water): 7-8
- Density (20°C): 1,95 g/cm<sup>3</sup>
- Melting point: 1600 °C
- Inflammability class: " E "
- Steam-pressure: undefined
- Solubility (water, 20°C): not soluble

### **10. Stability and reactivity:**

10.1: Circumstances to avoid: - No regulation.

10.2: Materials to avoid: - No regulation.

10.3: Hazardous decomposition products:  
- There is not.

### **11. Toxicology:**

11.1: Skin: - Mild irritation is possible.

11.2: Eye: - Irritation.

11.3: Breathing: - Irritation.

### **12. Ecological information:**

12.1: Environmental effects:

- Air: - It spreads in the form of aerosol.

- Water/soil: - Faint solubility and spreading.

12.2: It should not get into sewers or drains.

12.3. Other remarks: - Not carcinogenic, not teratogenic and there is no danger of silicosis.  
- For neutralization hydrochloric acid is recommended.

### **13. Waste handling:**

- Do not handle together with household waste.
- It should not get into sewers or drains.

### **14. Transport:**

There are no transport regulations.

## **15. Regulations:**

15.1: Phrase "R" refer to the danger and risk of the dangerous material: -

15.2: Phrase "S" refer to the safe handling:

S2: Keep closed and out of reach by children.

S 22: Do not breathe dust.

S 24/25: Avoid contacting with skin and eyes.

15.3: EINECS-number: 231-454-4

## **16. Other information:**

16.1: The above described are based on our actual knowledge, it does not concern to the guaranteed property of the product and other contractual legal relation.

16.2: The data sheet is made in compliance with the Law of Ministry of Health Nr.: 44/2000 (27<sup>th</sup> December).

16.3: Sources:

1. Römp: Chemical Encyclopedia. Budapest 1983.
2. MERCK catalogue, Budapest 1999/2000.
3. Handling and storing of dangerous products: Handbook, VERLAG DASHÖFER, Budapest 1999.

16.4. Other information: Reason of the change: general up-to-dateness.

16.5.: ETTSZ

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Szolnok, 15<sup>th</sup> January 2006.

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