

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Product information

Trade name : Silica Dimethyl Silicate  
 Chemical Name : Dimethylmethsilyl silica  
 Use of the Substance / : Silicone rubber  
 Preparation Sealants  
 Paints and lacquers  
 Coloured printing inks  
 Toner  
 Adhesive  
 Cosmetics  
 Coating agent  
 pesticide

#### Company Information

: Sophix Natural and Agro Products Ltd  
 5, Olayinka Owodunni Street, Off Sule Abore, Behind NNPC Filling  
 Station, Ojodu Berger, Lagos  
 Telephone : +234 7061111838  
 Emergency telephone number : +234 7061111838

### 2. HAZARDS IDENTIFICATION

#### Classification

Not a dangerous substance according to GHS.

#### GHS-Labeling

Statutory basis Not a dangerous substance according to GHS.

#### Other Hazards

### 3. COMPONENT AND COMPOSITION INFORMATION

|                |                                     |         |                          |
|----------------|-------------------------------------|---------|--------------------------|
| Pure substance | <input checked="" type="checkbox"/> | Mixture | <input type="checkbox"/> |
|----------------|-------------------------------------|---------|--------------------------|

Information on ingredients / Hazardous components

|                            |            |        |           |
|----------------------------|------------|--------|-----------|
| • Dimethylmethsilyl silica |            |        |           |
| CAS-No.                    | 68611-44-9 | EC-No. | 271-893-4 |



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#### 4. FIRST AID MEASURES

##### **Inhalation**

In case product dust is released:  
Possible discomfort: cough, sneezing  
Move victims into fresh air.

##### **Skin contact**

Wash off with plenty of water and soap.

##### **Eye contact**

Possible discomfort is due to foreign substance effect.  
Rinse thoroughly with plenty of water keeping eyelid open.  
In case of persistent discomfort: Consult an ophthalmologist.

##### **Ingestion**

Clean mouth with water and drink afterwards plenty of water.  
After absorbing large amounts of substance / In case of discomfort: Supply with medical care.

##### **Most important symptoms and effects, both acute and delayed**

##### **Symptoms**

None known

##### **Hazards**

None known

##### **Indication of any immediate medical attention and special treatment needed**

No hazards which require special first aid measures.

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#### 5. FIRE-FIGHTING MEASURES

##### **Suitable extinguishing media**

Water spray, foam, CO<sub>2</sub>, dry powder.

##### **Unsuitable extinguishing media**

Do not use full -force water jet in order to avoid dispersal and spread of the fire.

##### **Special hazards arising from the substance or mixture**

May be released in case of fire: carbon monoxide, carbon dioxide, formaldehyde and methane.

##### **Advice for firefighters**

Water used to extinguish fire should not enter drainage systems, soil or stretches of water.  
Ensure there are sufficient retaining facilities for water used to extinguish fire.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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#### 6. ACCIDENTAL RELEASE MEASURES

##### **Personal precautions, protective equipment and emergency procedures**

Wear personal protective equipment.

##### **Environmental precautions**

Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

##### **Methods and material for containment and cleaning up**

Sweep up or vacuum up spillage and collect in suitable container for disposal.

### **Additional advice**

Avoid dust formation.

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## **7. HANDLING AND STORAGE**

### **Handling**

#### **Precautions for safe handling**

If necessary: Local ventilation.

#### **Advice on protection against fire and explosion**

Take precautionary measures against static discharges.

#### **Dust explosion class**

1 m<sup>3</sup> vessel = not dust explosive

VDI Guideline 2263 sheet 1

### **Storage**

#### **Conditions for safe storage, including any incompatibilities**

Keep in a dry place.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Occupational Exposure Limits for Hazardous Agents in the Workplace (GBZ 2 -2007)**

#### **Personal protective equipment**

##### **Respiratory protection**

No special protective equipment required.

If dust occurs: Dust mask with P2 particle filter

##### **Hand protection**

Wear protective gloves made of the following materials: material, rubber, leather.

The material thickness and rupture time data do not apply to non-soluble solids / dusts.

##### **Eye protection**

Safety glasses with side-shields

If dust occurs: basket-shaped glasses

##### **Skin and body protection**

No special protective equipment required.

##### **Hygiene measures**

When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work.

To ensure ideal skin protection: use superfatted soaps and skin cream for skin care.

Wash contaminated clothing before re-use.

##### **Protective measures**

Handle in accordance with good industrial hygiene and safety practices.

If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.

If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spillage, dust) the indicated respiratory protection should be used.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Appearance**

Form powder

|                |           |
|----------------|-----------|
| Colour         | white     |
| Odour          | odourless |
| physical state | solid     |

#### Information on basic physical and chemical properties

|                                         |                                                                                |
|-----------------------------------------|--------------------------------------------------------------------------------|
| pH                                      | 3.6 - 5.5 (40 g / l) (20 °C)<br>Medium: water / methanol<br>1: 1 in suspension |
| Melting point/range                     | not applicable                                                                 |
| Boiling point/range                     | not applicable                                                                 |
| Flash point                             | not applicable                                                                 |
| Flammability (solid, gas)               | not applicable                                                                 |
| Ignition temperature                    | > 600 °C<br>Method: VDI 2263                                                   |
| Autoinflammability                      | not applicable                                                                 |
| Lower explosion limit                   | not determined                                                                 |
| Upper explosion limit                   | not determined                                                                 |
| Minimum ignition energy                 | not applicable                                                                 |
| Vapour pressure                         | not applicable                                                                 |
| Density                                 | ca. 2.2 g/cm <sup>3</sup> (20 °C)                                              |
| Tapped density                          | ca. 50 g / l<br>Method: DIN / ISO 787/11                                       |
| Water solubility                        | > 1 mg/l                                                                       |
| Partition coefficient (n-octanol/water) | not applicable                                                                 |
| Viscosity, dynamic                      | not applicable                                                                 |

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## 10. STABILITY AND REACTIVITY

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| Conditions to avoid              | With temperatures > 300 °C, hydrophobicity is lost. |
| Hazardous decomposition products | Carbon monoxide, carbon dioxide (CO <sub>2</sub> )  |

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## 11. TOXICOLOGICAL INFORMATION

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Acute oral toxicity       | LD50 Rat: > 5000 mg/kg<br>Method: literature      |
| Acute inhalation toxicity | LC0 Rat: 0.477 mg/l / 4 h<br>Method: analogy OECD |

|                          |                                                                                                                           |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------|
|                          | (maximum concentration attainable in experiments)                                                                         |
| Skin irritation          | Rabbit / literature<br>not irritating                                                                                     |
| Eye irritation           | Rabbit / literature<br>not irritating                                                                                     |
| Repeated dose toxicity   | Oral<br>no negative effects                                                                                               |
|                          | inhalative<br>No irreversible changes and no indication of silicosis.                                                     |
| Carcinogenicity          | no negative effects                                                                                                       |
| Toxicity to reproduction | no negative effects                                                                                                       |
| Human experience         | Silicosis or other product specific illnesses of the respiratory tract were not observed in association with the product. |

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

|                                   |                                                                        |
|-----------------------------------|------------------------------------------------------------------------|
| Toxicity to fish                  | LC50 (Brachydanio rerio): > 10000 mg/l / 96 h<br>Method: OECD 203      |
| Toxicity in aquatic invertebrates | EC50 Daphnia magna: > 10000 mg/l / 24 h<br>Method: OECD 202            |
| Toxicity to algae                 | IC 50 scenedesmus subspicatus: > 10000 mg/l / 72 h<br>Method: OECD 201 |

### Results of PBT assessment

Not a PBT, vPvB substance according to the criteria of the REACH Ordinance.

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## 13. DISPOSAL CONSIDERATIONS

### Product

Can be disposed of with domestic refuse in accordance with the necessary technical regulations following consultation with waste disposal expert(s) and the responsible authorities.

### Uncleaned packaging

Offer rinsed packaging material to local recycling facilities.  
Other countries: observe the national regulations.

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## 14. TRANSPORT INFORMATION

### Transport/further information

Not dangerous according to transport regulations.

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## 15. REGULATORY INFORMATION

### National regulations

All ingredients contained in this product accord with:

MEP: Inventory of Existing Chemical Substance in China (IECSC) listed

### International Regulations

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## 16. OTHER INFORMATION

### Administrative information

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Made by   | XI'AN AOGU BIOTECHCO.,LTD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reference | MEP: Inventory of Existing Chemical Substance in China (IECSC)<br>SAWS: Hyper Toxic Chemical Inventory<br>SAWS: Inventory of Dangerous Chemical<br>SAWS: Differentiation of Great Danger Source<br>MEP: Inventory of Dangerous Waste<br>MOH: Inventory of Highly Hazardous Substance<br>State department: Regulation on Management of Precurs or of Narcotic Chemicals<br>MOH: Occupational Exposure Limits for Hazardous Agents in the Workplace<br>GB12268 List of dangerous goods<br>MEP, Customs: Catalogue of Toxic Chemicals Prohibited or Strictly Controlled to Import or Export |

### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.