

# **SAFETY DATA SHEET**

## **SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

### **1.1 Product identifier**

**Product Name**

**Micro-Ballon Glass Bubbles white**

**CAS No.**

### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Identified use(s)**

Specialty engineering additive in plastics. E.g. it is added to modify the density, impact resistance, wear resistance, provide thermal or acoustic insulation in plastics and thermoset systems.

**Uses advised against**

Not available.

### **1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

**Telephone:**

+41 (0)31 763 60 60

**Fax:**

+41 (0)31 763 60 61

**E-mail:**

info@swiss-composite.ch

### **1.4 Emergency telephone number**

**Emergency Phone No.:**

Tox Info Suisse: 145

## **SECTION 2: HAZARDS IDENTIFICATION**

### **2.1 Classification of the substance or mixture**

**GHS Classification**

Not classified as dangerous for supply/use.

### **2.2 Label elements**

**Hazard pictogram(s)**

**Signal word(s)**

Not applicable.

**Hazard statement(s)**

Not applicable

**Precautionary statement(s)**

Not applicable

### **2.3 Other hazards**

Caution - spillages may be slippery.

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Regulation (EC) No. 1272/2008 (CLP)



Ingredient(s)	%W/W	CAS No.	EINECS No. / REACH Registration	Hazard symbol(s) and hazard statement(s)
Amorphous Sodium Borosilicate	>95	50815-87-7	Exempt	
Synthetic amorphous silica	<5	7631-86-9	231-545-4	

## **SECTION 4: FIRST AID MEASURES**

### **4.1 Description of first aid measures**

Eye Contact	Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If symptoms persist, obtain medical attention.
Skin Contact	Wash affected skin with plenty of water. If symptoms occur obtain medical attention.
Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest. If symptoms develop, obtain medical attention.
Ingestion	Get medical advice/attention.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	Dust may cause irritation.

<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	Flush the contaminated area of body with large amounts of water.
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## **SECTION 5: FIRE-FIGHTING MEASURES**

### **5.1 Extinguishing media**

Suitable Extinguishing Media	As appropriate for surrounding fire.
Unsuitable extinguishing Media	None known.

<b>5.2 Special hazards arising from the substance or mixture</b>	Non-combustible.
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<b>5.3 Advice for fire-fighters</b>	Not applicable.
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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Wear suitable protective clothing. Wear eye/face protection. An approved dust mask should be worn if dust is generated during handling. See Also Section 8.
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<b>6.2 Environmental precautions</b>	Floats on water.
<b>6.3 Methods and materials for containment and cleaning up</b>	Caution - spillages may be slippery. Avoid generation of dust. Use vacuum equipment for collecting spilt materials, where practicable. Transfer to a container for disposal or recovery.

<b>6.4 Reference to other sections</b>	Not applicable.
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## **SECTION 7: HANDLING AND STORAGE**

<b>7.1 Precautions for safe handling</b>	Avoid contact with skin, eyes or clothing. Avoid generation of dust. Wash thoroughly after handling. Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the work place.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	Keep container tightly closed and dry. In case of high humidity or storage for extended periods of time, use plastic bags to enclose product containers to avoid caking.
<b>7.3 Specific end use(s)</b>	Not applicable.



## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 Control parameters**

SUBSTANCE.	Occupational Exposure Limits
	UK EH40: Dust Total inhalable: WEL 10mg/m <sup>3</sup> 8h TWA. Respirable: WEL 4mg/m <sup>3</sup> 8h TWA. ACGIH: Particulates not otherwise classified Inhalable TLV 10mg/m <sup>3</sup> 8h TWA. Respirable: TLV 3mg/m <sup>3</sup> 8h TWA. OSHA: Inert or Nuisance Dust Total dust : PEL 15mg/m <sup>3</sup> 8h TWA. Respirable fraction : PEL 5mg/m <sup>3</sup> 8h TWA.
	UK EH40: Silica amorphous Total inhalable dust: WEL 6 mg/m <sup>3</sup> 8h TWA. Respirable dust: WEL 2.4 mg/m <sup>3</sup> 8h TWA. US ACGIH: Silica, Amorphous - Precipitated silica and silica gel: TLV withdrawn 2006 US OSHA: Silica amorphous - Precipitated silica: PEL 6mg/m <sup>3</sup> 8h TWA

### **8.2 Exposure controls**

#### **8.2.1 Appropriate engineering controls**

Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits.

#### **8.2.2 Personal Protection**

Respiratory protection

Avoid inhalation of dusts. Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.

Eye/face protection

Chemical goggles (EN 166).

Skin protection

Wear suitable protective clothing and gloves. For example PVC or rubber gloves.

#### **8.2.3 Environmental Exposure Controls**

Local exhaust recommended.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

Appearance Powder. White.

Odour Odourless.

Odour Threshold (ppm)

pH (Value) Not applicable.

Freezing Point (°C) Not applicable.

Melting Point (°C) Not applicable.

Boiling Point (°C) Not applicable.

Flash Point (°C) [Closed cup] Not applicable.

Evaporation rate Not applicable.

Flammability (solid, gas) Not applicable.

Explosive Limit Ranges Not applicable.

Vapour pressure (Pascal)

Vapour Density (Air=1) Not applicable.

Density (g/ml) Not applicable.

Solubility (Water) Soluble.

Solubility (Other) Not available.

Partition Coefficient Not available.

Auto Ignition Point (°C) Not applicable.

Decomposition Temperature (°C) Not applicable.

Viscosity (mPa. s) Not applicable.

Explosive properties Not applicable.

Oxidising Properties Not applicable.

### **9.2 Other information**

Not applicable.



## **SECTION 10: STABILITY AND REACTIVITY**

10.1 Reactivity	Avoid contact with strong acids
10.2 Chemical stability	Stable.
10.3 Possibility of hazardous reactions	None known.
10.4 Conditions to avoid	None known.
10.5 Incompatible materials	Strong acids
10.6 Hazardous decomposition product(s)	None known.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

#### **Acute toxicity**

Ingestion	Avoid ingestion. May be harmful if swallowed.
Inhalation	When a similar material was tested for respiratory toxicity in a 6-month intratracheal study in rats, no mortalities, untoward reaction, or observation correlated with exposure to the material. Minimal multifocal inflammation of the lung occurred in 90% of males and 80% of females. No appreciable increase in fibrous tissue was present in these lesions.
Skin Contact	When tested for primary irritation potential, this material caused mild eye irritation and slight skin irritation.

#### **Sensitisation**

It is not a skin sensitiser.

#### **Mutagenicity**

Not classified

#### **Carcinogenicity**

IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen.

#### **Reproductive toxicity**

Not classified

#### **STOT - single exposure**

Not classified

#### **STOT - repeated exposure**

Not classified

#### **Aspiration hazard**

Not classified

#### **Other information**

## **SECTION 12: ECOLOGICAL INFORMATION**

12.1 Toxicity	No data available on mixture. The following data is reported for sodium silicates: a 96 hour median tolerance for fish ( <i>Gambusia affinis</i> ) of 2320 ppm; a 96 hour median tolerance for water fleas ( <i>Daphnia magna</i> ) of 247 ppm.
12.2 Persistence and degradability	No data available on mixture.
12.3 Bioaccumulative potential	No data available on mixture.
12.4 Mobility in soil	No data available on mixture.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	Not classified

## **SECTION 13: DISPOSAL CONSIDERATIONS**

13.1 Waste treatment methods	The waste is considered to be non hazardous. Disposal should be in accordance with local, state or national legislation.
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## **SECTION 14: TRANSPORT INFORMATION**



<b>14.1 UN number</b>	Not applicable
<b>14.2 Proper Shipping Name</b>	Not classified as dangerous for transport. Not classified as hazardous under DOT or US Transport Recommendations. Goods are not regulated for transport via IATA International Maritime Dangerous Goods (IMDG) Code: Not classified as hazardous ADR/RID Class : Not classified as dangerous for transport.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

## **SECTION 15: REGULATORY INFORMATION**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

TSCA Inventory Status: Reported/Included.

AICS Inventory Status: Reported/Included.

DSL/NDSL Inventory Status: Reported/Included.

German Water Hazard Classification VwVwS: WGK class 1 (low hazard to water).  
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### **15.2 Chemical Safety Assessment**

## **SECTION 16: OTHER INFORMATION**

Reviewed and reconfirmed, no significant changes.

This SDS was last reviewed: 11/2017

The following sections contain revisions or new statements:

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