

## Siliphos<sup>®</sup> - Material Safety Data Sheet

- 1) Product Name **Siliphos<sup>®</sup> (Spheres)**
- 2) Manufacturer **BK Giulini GmbH  
Ginlinistraße 2, D-67065  
Ludwigshafen, Germany  
(subsidiary of Rotem-Amfert-Negev Group)**
- 3) UK Supplier **Cistermiser Limited  
Unit 1, Woodley Park Estate  
59-69 Reading Road  
Woodley, Reading  
RG5 3AN**
- 4) Certification **The components of Siliphos<sup>®</sup> comply with  
FAO (Food and Agriculture Organisation of the United  
Nations / WHO (World Health Organisation) Standards.  
Siliphos<sup>®</sup> is certified to NSF-Standard 60, USA. The use in  
tap water and other types of fresh water at the prescribed  
dosage is inoffensive. All components used in Siliphos<sup>®</sup> are  
100% pure food grade materials.**
- 5) Physical Properties
- |                               |                        |
|-------------------------------|------------------------|
| Vapour Press (mm Hg at 25° C) | <b>Practically Nil</b> |
| Melting Point                 | <b>800° C approx.</b>  |
| Boiling Point                 | <b>Not applicable</b>  |
| Flash Point                   | <b>Not applicable</b>  |
- 6) Reaction with
- |                  |               |
|------------------|---------------|
| air              | }             |
| water            | }             |
| heat             | } <b>none</b> |
| strong oxidisers | }             |
| acids or alkalis | }             |
- 7) pH value **0.7 approx**
- 8) Change of state in case of fire **no decomposition**

- 9) Solubility in water **5 – 500 gm/cu.m. depending on flow rate**
- 10) Appearance **translucent spheres**
- 11) Composition

Compound	Ingredients	Amount present
<b><math>(Na_{10} Ca_2P_{11}O_{35}) x SiO_2</math></b>	<b>Polyphosphate Glass</b>	<b>100%</b>

- 12) Toxic Hazards
- Warning signs e.g. smell /eye, nose or throat irritation **none**
- Route of absorption **mouth**
- Acute toxicity
- Symptoms and effects of acute general poisoning **diarrhoea**
- Symptoms and effects of acute local poisoning **none**
- Laboratory tests
- Acute LD50 **animal (solids and non-volatile liquids)**
- Acute LC50 **animal (gases and volatile liquids)**
- Acute dermal LD50 **animal**
- Haematology **acceptable daily intake zones for man (mg/kg)**
- Histopathology **unconditional up to 30**
- Skin sensation **conditional 30 – 70**
- 13) First Aid Treatment
- Antidote in case of swallowing }
- Eye contact }
- Skin contact } **None**
- Inhalation }
- Any special treatment advised or contra-indicated }
- 14) Precautions for normal conditions of use **proper application**
- 15) Recommended protective equipment **none**
- 16) Method of use **slow dissolution**
- 17) Storage **not restrictive**
- 18) Disposal **no limitations**
- 19) Spillage **no problems resulting**
- 20) Fire **non-inflammable**