

1. Product and company information

- Identification of the product:
- Trade name: **Signo Nanocare Flexiguard™**
- Order number: **2014**
- Manufacturer / Supplier: **Signo Nanocare Ltd**
PO Box 225
Oswestry
Shropshire
+44 1691 654282
- Emergency information:
- **Oswestry + 44 1691 651108**

2. Composition / Information on components

- Chemical Characterisation: preparation from modified hybrid materials
Source materials are entered in EINECS

3. Hazards identification

No particular known hazards

4. First Aid Measures

- after inhalation: Remove to fresh air, seek medical attention if discomfort continues.
- on contact with the skin: Immediately flush thoroughly with plenty of water.
- on contact with the eyes: Assure adequate flushing with plenty of running water by separating the eyelids with fingers. Seek medical attention if discomfort continues.
- after ingestion: Wash out mouth and drink plenty of water. Do not induce vomiting. Seek immediate medical attention.

5. Fire fighting measures

- Suitable extinguishing media: water, foam, dry powder or carbon dioxide.

6. Accidental release measures

- Procedure of personal precaution: Seek maximum ventilation.
 - Environmental protection: Do not allow product to enter the sewerage system or waterways. Do not let it soak into the ground.
 - Clean-up procedure: Collect mechanically. Soak up liquid with suitable material. Collect waste in a suitable receptacle. Dispose of contaminated material as waste according to section 13.
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7. Handling and storage

- **Handling:**
 - **Instructions for safe handling:**
Ensure good ventilation / air-conditioning in the workplace.
Avoid contact with eyes and skin.
 - **Instructions to protect against fire / explosions:**
Keep away from ignition sources – do not smoke.
Take steps against electrostatic charges.
Vapours can form a potentially explosive combination with the air.
Use only in explosion-protected areas.
 - **Storage:**
Further details for storage conditions:
Keep receptacles securely closed.
Keep receptacles in a well-ventilated area.
Protect against frost (contains water).
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8. Exposure controls / personal protection

- **Technical considerations:**
Ensure maximum ventilation if vapours / particulates escape.
Only use material if within specification.
Maximum Workplace concentration not specified.
 - **Personal protective equipment:**
 - **General protection and hygiene:**
Use preventative skin protection ointment.
Immediately remove contaminated clothing.
Avoid contact with eyes and skin.
 - **Inhalation protection:**
Use breathing apparatus for high concentrations, if particulates / vapours are present or if there is insufficient ventilation.
 - **Hand protection:**
Suitable protective rubber gloves
 - **Eye protection:**
Safety glasses
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9. Physical and chemical properties

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|--|---|
| - Appearance: | liquid |
| - Colour: | slightly yellowish, slightly cloudy |
| - Odour: | almost odourless |
| - Change in State | |
| - Boiling point | 97°C |
| - Flashpoint | >66°C |
| - Ignition point | not determined |
| - Explosion risk | vapours can form explosive mixtures in air. |
| - Vapour pressure at 20°C | not determined |
| - Density at 20°C | ~1.0g/cm ³ |
| - Solubility in / miscibility with water | miscible |
| - pH – value (500g/l) at 20°C | ca. 4 |
| - Viscosity (dynamic, at 20°C) | 1.6 mPas |

10. Stability and Reactivity

- Hazardous reactions:
No known hazardous reactions.

11. Toxicological information

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|-----------------|---------------------------|
| - Skin Contact: | May cause skin irritation |
| - Eye Contact: | May cause eye irritation |
| - Inhalation: | May be harmful if inhaled |

12. Ecological information

No details available

13. Instructions for Disposal

- Product:
- Recommendation:
For waste removal local authority regulations must be adhered to.
For example, take to a suitable incineration plant.
- Waste Code Number:
The allocation of waste code numbers is to be carried out in accordance with European waste catalogue regulations.

14. Transportation information

Non-hazardous material.

15. Regulatory information

- Identification according to EWG – Directives:
No identification obligation according to GefStoffV and Directive 67/548/EWG
 - Hazard symbols: -
 - R – phrases: -
 - S – phrases: -
 - National Regulations (D):
Statutory order on hazardous incidents: not named in appendix 1 (StörfallV 2000)
 - VbF – Hazard Category: -
Water Hazard Class: WGK = 1 - low hazard risk to water:
(Self-classification according to VCI – draft)
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16. Other information

The information contained in this Material Safety Data Sheet is believed to be accurate but it is the responsibility of the user or supplier to determine the applicability of the data to the formulation of necessary safety precautions. There is no legal responsibility for any damage resulting from the use of the above product or the information contained in this Material Safety Data Sheet.