1. Identification

Product identifier
SG250

Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture
Plating agent

Details of the supplier of the safety data sheet

Company name: Hottinger Baldwin Messtechnik GmbH
Street: Im Tiefen See 45
Place: D-64293 Darmstadt
Telephone: +49 (0)6151 803-0
Internet: www.hbm.com
Responsible Department: support@hbm.com
Emergency telephone number: +49(0)6131 19240

2. Hazard identification

Classification of the substance or mixture

Regulation (EC) No. 1272/2008
This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

Label elements

Regulation (EC) No. 1272/2008

Precautionary statements
Keep container tightly closed.
Do not handle until all safety precautions have been read and understood.
Keep out of reach of children.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.

Other hazards
No hazardous reaction when handled and stored according to provisions.

3. Composition/information on ingredients

Mixtures

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1185-55-3</td>
<td>Trimethoxymethylsilan</td>
<td>&gt;=1 - &gt;10 %</td>
</tr>
<tr>
<td>556-67-2</td>
<td>octamethylcyclotetrasiloxane</td>
<td>&gt;= 0,1&lt;-0,25 %</td>
</tr>
</tbody>
</table>

Further Information
This mixture does not contain any substances presenting a health or environmental hazard within the means of Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

4. First-aid measures

Description of first aid measures
Safety Data Sheet

SG250

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General information
When in doubt or if symptoms are observed, get medical advice.
Never give anything by mouth to an unconscious person or a person with cramps.
If unconscious place in recovery position and seek medical advice.

After inhalation
Remove casualty to fresh air and keep warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.

After contact with skin
Immediately remove any contaminated clothing, shoes or stockings.
After contact with skin, wash immediately with plenty of water and soap.
Do not wash with: Solvents/Thinner.

After contact with eyes
In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.
Seek medical advice immediately.

After ingestion
If swallowed, rinse mouth with water (only if the person is conscious).
Call a physician immediately.
Put victim at rest, cover with a blanket and keep warm.
Do NOT induce vomiting.

5. Fire-fighting measures

Extinguishing media
Suitable extinguishing media
alcohol resistant foam, Carbon dioxide (CO2), Extinguishing powder, Water mist
Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media
Full water jet

Specific hazards arising from the hazardous product
Burning produces heavy smoke.
Hazardous decomposition products: carbon black. Danger of serious damage to health by prolonged exposure.
Use appropriate respiratory protection.

Special protective equipment and precautions for fire-fighters
Use water spray jet to protect personnel and to cool endangered containers.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Avoid breathing dust/fume/gas/mist/vapours/spray.
Safe handling: see section 7
Personal protection equipment: see section 8

Environmental precautions
Do not allow to enter into surface water or drains.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Methods and material for containment and cleaning up
Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Collect in closed and suitable containers for disposal. Disposal: see section 13
Clean with detergents. Avoid solvent cleaners.
7. Handling and storage

Precautions for safe handling

Advice on safe handling
Avoid contact with skin, eyes, and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray. When using do not eat, drink or smoke. Personal protection equipment: see section 8

Never use pressure to empty container. Keep/Store only in original container.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Store in accordance with: Betriebssicherheitsverordnung (BetrSichV).

Hints on joint storage
Do not store together with: Oxidizing agent, Strong acid, Strong alkali

Further information on storage conditions
Keep container tightly closed in a cool, well-ventilated place. When using do not smoke.
Always close containers tightly after the removal of product.

8. Exposure controls/Personal protection

Control parameters

Additional advice on limit values
To date, no national critical limit values exist.

Exposure controls

Appropriate engineering controls
Provide adequate ventilation.

Protective and hygiene measures
Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

Eye/face protection
Avoid contact with eyes.

Hand protection
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Replace when worn.
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. See information supplied by the manufacturer.
Use protective skin cream before handling the product.

Skin protection
Wear suitable protective clothing.

Respiratory protection
not applicable
**Environmental exposure controls**

Do not allow to enter into surface water or drains.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>whitish</td>
</tr>
<tr>
<td>Odour:</td>
<td>neutral</td>
</tr>
<tr>
<td><strong>pH-Value:</strong></td>
<td>not determined</td>
</tr>
</tbody>
</table>

#### Changes in the physical state

<table>
<thead>
<tr>
<th>Melting point:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>not determined</td>
</tr>
<tr>
<td>Sublimation point:</td>
<td>not determined</td>
</tr>
<tr>
<td>Softening point:</td>
<td>not determined</td>
</tr>
<tr>
<td>Pour point:</td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
<td>&gt; 100 °C DIN 53213</td>
</tr>
<tr>
<td>Sustaining combustion:</td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### Flammability

<table>
<thead>
<tr>
<th>Solid:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas:</td>
<td>not determined</td>
</tr>
</tbody>
</table>

#### Explosive properties

not relevant

| Lower explosive limits: | not relevant |
| Upper explosive limits: | not relevant |
| Ignition temperature:   | not relevant |

#### Auto-ignition temperature

<table>
<thead>
<tr>
<th>Solid:</th>
<th>not relevant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas:</td>
<td>not relevant</td>
</tr>
</tbody>
</table>

#### Decomposition temperature:

not relevant

#### Oxidizing properties

not relevant

| Vapour pressure: (at 20 °C): | not determined |
| Vapour pressure: (at 50 °C): | not determined |
| Density (at 20 °C):          | not determined DIN 53217 |
| Bulk density:                | not determined     |
| Water solubility:            | not determined     |

#### Solubility in other solvents

not determined

| Partition coefficient: | not determined |
| Viscosity / dynamic:   | not determined |
| Viscosity / kinematic: | not determined |
Flow time: not determined
(at 23 °C)
Vapour density: not determined
Evaporation rate: not determined
Solvent separation test: not relevant
Solvent content: not determined

Other information
Solid content: not determined
No information available.

10. Stability and reactivity
Chemical stability
The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions
Exothermic reaction with: Oxidizing agent, Strong acid, Strong alkali

Conditions to avoid
In case of warming: Formation of: Hazardous decomposition products

Hazardous decomposition products
Nitrogen oxides (NOx), carbon black, Carbon dioxide (CO2), Carbon monoxide

11. Toxicological information
Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met.

Irritation and corrosivity
Based on available data, the classification criteria are not met.

Sensitizing effects
Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Practical experience
Observations relevant to classification
After eye contact:
Irritating to eyes. (reversible.)

Further information
There are no data available on the mixture itself.
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].
Reference to other sections: 2, 3

12. Ecological information
Ecotoxicity
No information available.

Further information
There are no data available on the mixture itself.
Do not allow to enter into surface water or drains.

13. Disposal considerations

Waste treatment methods
Advice on disposal
Do not allow to enter into surface water or drains.
Recycle according to official regulations.

Contaminated packaging
Completely emptied packages can be recycled.
Recycle according to official regulations.

14. Transport information

Canadian TDG
Proper shipping name: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)
UN number: No dangerous good in sense of this transport regulation.
United Nations proper shipping name: No dangerous good in sense of this transport regulation.
Transport hazard class(es): No dangerous good in sense of this transport regulation.
Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)
UN number: No dangerous good in sense of this transport regulation.
United Nations proper shipping name: No dangerous good in sense of this transport regulation.
Transport hazard class(es): No dangerous good in sense of this transport regulation.
Packing group: No dangerous good in sense of this transport regulation.

Environmental hazards
ENVIRONMENTALLY HAZARDOUS: no

15. Regulatory information

Canadian regulations
Additional information
Observe in addition any national regulations!

16. Other information

Further Information
The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singulary responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)