

SG250

Revision date: 28.07.2022

Page 1 of 8

1. Identification

Product identifier

SG250

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

Use of the substance/mixture

Plating agent

Uses advised against

No information available.

Details of the supplier of the safety data sheet

Company name: Hottinger Brüel & Kjaer
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: +49-30-18412-0

2. Hazard identification

Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

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

Label elements

Regulation (EC) No 1272/2008

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

Special labelling of certain mixtures

Restricted to professional users.

Labelling of packages where the contents do not exceed 125 ml

Hazard statements

H412

Other hazards

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

3. Composition/information on ingredients

Mixtures

SG250

Revision date: 28.07.2022

Page 2 of 8

Hazardous components

CAS No	Chemical name	Quantity
1185-55-3	Trimethoxymethylsilan	2,1-3,5 %
556-67-2	octamethylcyclotetrasiloxane	0,05-0,21 %
67-56-1	methanol	< 1 %

Full text of H statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
556-67-2	209-136-7	octamethylcyclotetrasiloxane	0,05-0,21 %
		M chron.; H410: M=10	
67-56-1	200-659-6	methanol	< 1 %
		inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 100 mg/kg STOT SE 1; H370: >= 10 - 100 STOT SE 2; H371: >= 3 - < 10	

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****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 but breathing normally, 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.

Most important symptoms and effects, whether acute or delayed

No information available.

5. Fire-fighting measures**Extinguishing media**

SG250

Revision date: 28.07.2022

Page 3 of 8

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.

Additional information

No information available.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures****General advice**

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**Other information**

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (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.

Do not allow to enter into surface water or drains.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Store in accordance with: Betriebssicherheitsverordnung (BetrSichV).

No special measures are necessary.

Hints on joint storage

No special measures are necessary.

Further information on storage conditions

No special measures are necessary.

8. Exposure controls/Personal protection

Control parameters

Additional advice on limit values

No information available.

Exposure controls



Appropriate engineering controls

No special measures are necessary.

Protective and hygiene measures

- Wash hands before breaks and after work.
- When using do not eat or drink.
- Draw up and observe skin protection programme.
- Use protective skin cream before handling the product.
- Wear suitable protective clothing.

Eye/face protection

No special measures are necessary.

Hand protection

Use protective skin cream before handling the product.

Skin protection

No special measures are necessary.

Respiratory protection

No special measures are necessary.

Environmental exposure controls

No special measures are necessary.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	whitish
Odour:	neutral

Test method

pH-Value: not determined

Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
not determined:	

Flash point: 100 °C

Sustaining combustion: No data available EN ISO 9038

Flammability

Solid/liquid: not determined

SG250

Revision date: 28.07.2022

Page 5 of 8

Gas: not determined

Explosive properties

not relevant

Lower explosive limits: not relevant

Upper explosive limits: not relevant

Auto-ignition temperature: not relevant

Self-ignition temperature

Solid: not relevant

Gas: not relevant

Decomposition temperature: not relevant

Oxidizing properties

not relevant

Vapour pressure:
(at 20 °C) not determinedVapour pressure:
(at 50 °C) not determinedDensity (at 20 °C): 1,05 g/cm³ DIN 53217

Bulk density: not determined

Water solubility: not determined

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined

Viscosity / dynamic:
(at 25 °C) 300 mPa·s

Viscosity / kinematic: not determined

Flow time:
(at 23 °C) not determined

Relative 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**Reactivity**

No information available.

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

Incompatible materials

No information available.

SG250

Revision date: 28.07.2022

Page 6 of 8

Hazardous decomposition productsNitrogen oxides (NOx), carbon black, Carbon dioxide (CO₂), Carbon monoxide**Further information**

No information available.

11. Toxicological information**Information on toxicological effects****Acute toxicity**

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

ATEmix calculated

ATE (oral) 62500,0 mg/kg; ATE (dermal) 187500,0 mg/kg; ATE (inhalation vapour) 1875,00 mg/l; ATE (inhalation dust/mist) 312,500 mg/l

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
67-56-1	methanol				
	oral	ATE 100 mg/kg			
	dermal	ATE 300 mg/kg			
	inhalation vapour	ATE 3 mg/l			
	inhalation dust/mist	ATE 0,5 mg/l			

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

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.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

SG250

Revision date: 28.07.2022

Page 7 of 8

Mobility in soil

No information available.

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other adverse effects

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****Disposal recommendations**

Dispose of waste according to applicable legislation.

Contaminated packaging

Dispose of waste according to applicable legislation.

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**Classification for mixtures and used evaluation method according to GHS**

Classification	Classification procedure
Aquatic Chronic 3; H412	Calculation method

Relevant H statements (number and full text)

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H361f	Suspected of damaging fertility.
H370	Causes damage to organs.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly 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.)