

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)



## HSMC - HOLLOWED SPHERES MATRIX COMPOUNDS

Version: 2

Revision date: 04.08.2015

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### 1. Identification of the substance/mixture and of the company/undertaking

#### Product identifier

**Identification / trade name:** HSMC - HOLLOWED SPHERES MATRIX COMPOUNDS

**Additional identification:** Vatral 125/150 Fire Protection Mortar

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

##### Use of the substance / mixture:

Fire protection mortar for shipbuilding.

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

**Supplier / Manufacturer:** TDH GmbH, Im Auwelt 45, Bunker 177 & 145, D-47624 Kevelaer-Twisteden

**Telephone:** +49 (0) 2832 930 59 62

**Telefax:** +49 (0) 2832 930 59 63

**E-mail:** info@hsmc.de

#### Department responsible for information

**Information contact:** www.hsmc.de

**E-mail (competent person):** info@hsmc.de

**Emergency telephone:** +49 (0) 2832 930 59 62 (nur zu Bürozeiten besetzt)

### 2. Hazards identification

#### Classification of the substance or mixture

**Classification according to 67/548/EEC or 1999/45/EC**

none

#### Label elements

##### Labelling according to Regulation (EC) No 1272/2008

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008.

##### Labelling according to 67/548/EEC or 1999/45/EC

This preparation is not classified as hazardous according to 1999/45/EC.

#### Hazard symbols and hazard statements

not applicable

#### Other hazards

Continued contact with respirable dust of this product to high concentrations can affect pulmonary function.

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### 3. Composition / information on ingredients

#### Chemical characterization

Fire protection mortar consisting of mineral lightweight fillers and additives of inorganic and organic fibers and inorganic / organic hybrid binders.

### 4. First aid measures

<b>General informations:</b>	In all cases of doubt, or when symptoms persist, seek medical advice.
<b>In case of inhalation:</b>	Not applicable.
<b>In case of skin contact:</b>	After contact with skin, wash immediately with soap and plenty of water.
<b>In case of eye contact:</b>	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.
<b>In case of ingestion:</b>	Seek medical advice.
<b>Additional hints:</b>	Symptomatic treatment.

### 5. Fire-fighting measures

#### Extinguishing media

<b>Suitable extinguishing media:</b>	See the "additional information".
<b>Unsuitable extinguishing media:</b>	See the "additional information".

#### Special hazards arising from the substance or mixture

Small fractions of the binder evaporate from temperatures of 150°C.

#### Additional information

Product itself does not burn.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

#### Environmental precautions

Do not allow to enter undiluted into surface water or drains.

#### Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

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### 7. Handling and Storage

#### Precautions for safe handling

##### Advices on safe handling

Avoid contact with skin, eye and clothing. Wear personal protective clothing (see chapter 8). Always close containers tightly after the removal of product. Avoid generating dust for dried products.

##### Precautions against fire and explosion

Product does not burn itself. No special fire protection measures are necessary.

##### Conditions for safe storage, including any incompatibilities

##### Information on storage conditions

The storage temperature may not fall below 5°C. Dry storage. Separately of foods or feed.

##### Requirements for storage rooms and vessels

No special measures are necessary.

### 8. Exposure controls / Personal protection

#### Exposure controls

#### Personal protection equipment

**Respiratory protection:** No personal respiratory protective equipment normally required. Respiratory protection necessary at: dust formation

**Hand protection:** By short-term hand contact: NR (natural rubber, natural latex). By long-term hand contact: NBR (nitrile rubber).

**Eye protection:** Safety goggles

**Protective clothing:** Suitable protective clothing:

#### General health and safety measures

Avoid contact with skin, eye and clothing. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Preventing skin care before and after the work.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

##### General information

<b>Physical state:</b>	Mortar
<b>Colour:</b>	light grey
<b>Odour:</b>	Slight inherent odor.
<b>pH value (undiluted):</b>	approx. 9 at 23°C

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<b>pH value (1 %):</b>	n.a.
<b>Freezing point (°C):</b>	n.a.
<b>Drop point / drop range:</b>	n.a.
<b>Pourpoint (°C):</b>	n.a.
<b>Boiling temperature (°C):</b>	n.a.
<b>Flashpoint (°C):</b>	n.a.
<b>Vapour pressure (hPa):</b>	n.a.
<b>Density (g/cm<sup>3</sup>):</b>	approx. 0,33 (delivery form); ca. 0,125 (dry)
<b>Bulk density (g/l):</b>	n.a.
<b>Water solubility:</b>	n.a.
<b>Fat solubility:</b>	n.a.
<b>Dynamic viscosity (mPas):</b>	n.a.
<b>Kinematic viscosity (mm<sup>2</sup>/s):</b>	n.a.

### 10. Stability and Reactivity

#### Reactivity

No decomposition if used and stored according to specifications.

#### Chemical stability

Stable under normal conditions.

#### Possibility of hazardous reactions

There are expected no hazardous reactions for intended use.

#### Conditions to avoid

None if stored and handled correctly.

#### Hazardous decomposition products

Small fractions of the binder evaporate from temperatures of 150°C.

### 11. Toxicological information

#### Information on toxicological effects

No information available.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

No CMR activities known or suspected.

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### 12. Ecological information

#### Toxicity

No data available.

#### Persistence and degradability

Biologically not degradable. Silicone content: Elimination by adsorption on activated sludge.

#### Bioaccumulative potential

No indication of bioaccumulation potential.

#### Mobility in soil

No data available.

### 13. Disposal considerations

#### Waste treatment methods

#### Recommendation

Dispose of waste according to applicable local, state, and federal regulations.

#### Packaging

#### Contaminated package

Dispose of according to local regulations.

#### Cleaned package

Completely emptied packages can be recycled. Contaminated packages must be completely emptied and can be re-used following proper cleaning.

### 14. Transport information

#### Land transport (ADR/RID)

**Remark:** No dangerous good in sense of this transport regulation.

#### Sea transport (IMDG)

**Remark:** No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI / IATA-DGR)

**Remark:** No dangerous good in sense of this transport regulation.

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### 15. Regulatory information

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

##### National regulations

Water hazard class (WGK): Weakly water-endangering (WGK 1).

##### Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

### 16. Other information

#### Data sources

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The informations make no claim to be complete. This safety data sheet does not represent a warranty or assurance of properties of the preparation. The TDH GmbH disclaims any liability for damages resulting from contact with or incorrwct handling of these chemicals.