Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.05.2025 *Version number 1* *Revision: 05.05.2025*

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

· ***1.1 Product identifier***

· ***Trade name:*** **Vatral® 200 / HSMC - HOLLOWED SPHERES MATRIX COMPOUNDS**

· ***1.2 Relevant identified uses of the substance or mixture and uses advised against***
No further relevant information available.
· ***Application of the substance / the mixture*** Fire protection adhesive

· ***1.3 Details of the supplier of the safety data sheet***
· ***Manufacturer/Supplier:***
HSMC Branch Office of TDH - GmbH Technischer Dämmstoffhandel in Hamburg
Kettelerstrasse 70
D-47574 Goch
Germany
Tel. +49 (0) 2823 945 490
info@hsmc-goch.de
www.hsmc.de

· ***Informing department:***
info@hsmc-goch.de
Tel. +49 (0) 2823 945 490

· ***1.4 Emergency telephone number:***
Phone +49 (0) 2823 945 490
Office hours 8:00 - 15:00

SECTION 2: Hazards identification

· ***2.1 Classification of the substance or mixture***
· ***Classification according to Regulation (EC) No 1272/2008***
The product is not classified, according to the CLP regulation.

· ***2.2 Label elements***
· ***Labelling according to Regulation (EC) No 1272/2008*** Void
· ***Hazard pictograms*** Void
· ***Signal word*** Void
· ***Hazard statements*** Void
· ***2.3 Other hazards***
· ***Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable.
· ***vPvB:*** Not applicable.
· ***Determination of endocrine-disrupting properties***
The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

· ***3.2 Mixtures***
· ***Description:***
Adhesive on an aqueous alkali silicate base, filled with energy-consuming and refractory additives.

(Contd. on page 2)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.05.2025 *Version number 1* *Revision: 05.05.2025*

Trade name: **Vatral® 200 / HSMC - HOLLOWED SPHERES MATRIX COMPOUNDS**

(Contd. from page 1)

· ***Dangerous components:*** Void

SECTION 4: First aid measures

· ***4.1 Description of first aid measures***
· ***General information***
No special measures required.
If symptoms occur or in case of doubt consult a doctor.
· ***After inhalation***
No treatment necessary under normal conditions of use.
Supply fresh air; consult doctor in case of symptoms.
· ***After skin contact***
Wash with water and soap.
Remove contaminated clothing.
Wash contaminated clothing before re-use.
· ***After eye contact***
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
Remove contact lenses if possible.
· ***After swallowing*** Rinse out mouth and then drink plenty of water.
· ***4.2 Most important symptoms and effects, both acute and delayed***
No further relevant information available.
· ***4.3 Indication of any immediate medical attention and special treatment needed***
No further relevant information available.

SECTION 5: Firefighting measures

· ***5.1 Extinguishing media***
· ***Suitable extinguishing agents*** Use fire fighting measures that suit the environment.
· ***For safety reasons unsuitable extinguishing agents*** None known.
· ***5.2 Special hazards arising from the substance or mixture*** No special hazards known.
· ***5.3 Advice for firefighters***
· ***Protective equipment:*** No special measures required.
· ***Additional information*** Remove goods in stock from incendiary zone, if possible.

SECTION 6: Accidental release measures

· ***6.1 Personal precautions, protective equipment and emergency procedures***
· ***For non-emergency personnel*** No special measures required.
· ***For emergency responders*** No special measures required.
· ***6.2 Environmental precautions:*** Do not allow to enter drainage system, surface or ground water.
· ***6.3 Methods and material for containment and cleaning up:***
Collect mechanically.
Absorb liquid components with liquid-binding material.
Dispose of the material collected according to regulations.
Complete cleaning with water.
· ***6.4 Reference to other sections***
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.

(Contd. on page 3)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.05.2025 *Version number 1* *Revision: 05.05.2025*

***Trade name:* Vatral® 200 / HSMC - HOLLOWED SPHERES MATRIX COMPOUNDS**

(Contd. from page 2)

See Section 13 for information on disposal.

SECTION 7: Handling and storage

· ***7.1 Precautions for safe handling*** No special precautions necessary if used correctly.
· ***Information about protection against explosions and fires:*** No special measures required.

· ***Handling***
Avoid contact with the eyes and skin.
Wash contaminated clothing before re-use.
Do not eat or drink while working.

· ***7.2 Conditions for safe storage, including any incompatibilities***
· ***Storage***
· ***Requirements to be met by storerooms and containers:***
Protect from frost and direct sun exposure.
Do not use light alloy containers.
Unsuitable material for container:
Aluminium
Zinc and galvanised containers
Glass
Suitable material for containers and conduit: steel or stainless steel.
· ***Information about storage in one common storage facility:*** Not required.
· ***Further information about storage conditions:*** Keep container tightly sealed.
· ***7.3 Specific end use(s)*** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· ***8.1 Control parameters***
· ***Components with limit values that require monitoring at the workplace:***
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

1332-58-7 Kaolin	
WEL (Great Britain)	Long-term value: 2 mg/m³

· ***Additional information:*** The lists that were valid during the compilation were used as basis.

· ***8.2 Exposure controls***
· ***Individual protection measures, such as personal protective equipment***
· ***General protective and hygienic measures*** Wash hands during breaks and at the end of the work.
· ***Breathing equipment:*** Not required.
· ***Hand protection***
Protective gloves are recommended at frequent and/or long-term skin contact with the product.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
· ***Material of gloves***
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 4)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.05.2025 *Version number 1* *Revision: 05.05.2025*

Trade name: Vatral® 200 / HSMC - HOLLOWED SPHERES MATRIX COMPOUNDS

(Contd. from page 3)

· ***Penetration time of glove material***
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· ***Eye/face protection*** Safety glasses recommended during refilling.

SECTION 9: Physical and chemical properties

· ***9.1 Information on basic physical and chemical properties***	
· ***General Information***	
· ***Physical state***	Liquid
· ***Colour:***	light ivory
· ***Odour:***	odourless
· ***Odour threshold:***	Not determined.
· ***Melting point/freezing point:***	Not determined
· ***Boiling point or initial boiling point and boiling range***	> 100 °C
· ***Flammability***	Not applicable.
· ***Lower and upper explosion limit***	
· ***Lower:***	Not determined.
· ***Upper:***	Not determined.
· ***Flash point:***	Not applicable
· ***Auto-ignition temperature:***	Product is not selfigniting.
· ***Decomposition temperature:***	Not determined.
· ***SADT***	
· ***pH at 20 °C***	ca. 11
· ***Viscosity:***	
· ***Kinematic viscosity***	Not determined.
· ***dynamic:***	Not determined.
· ***Solubility***	
· ***Water:***	Not miscible or difficult to mix
· ***Partition coefficient n-octanol/water (log value)***	Not determined.
· ***Vapour pressure:***	Not determined.
· ***Density and/or relative density***	
· ***Density at 20 °C***	ca. 1.6 g/cm³
· ***Relative density***	Not determined.
· ***Vapour density***	Not determined.
· ***Particle characteristics***	No further details.
· ***9.2 Other information***	
· ***Appearance:***	
· ***Form:***	Viscous
· ***Important information on protection of health and environment, and on safety.***	
· ***Self-inflammability:***	Product is not selfigniting.
· ***Explosive properties:***	Product is not explosive.
· ***Change in condition***	
· ***Evaporation rate***	Not determined.
· ***Information with regard to physical hazard classes***	
· ***Explosives***	Void
· ***Flammable gases***	Void

(Contd. on page 5)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.05.2025 *Version number 1* *Revision: 05.05.2025*

Trade name: **Vatral® 200 / HSMC - HOLLOWED SPHERES MATRIX COMPOUNDS**

(Contd. from page 4)

· ***Aerosols***	Void
· ***Oxidising gases***	Void
· ***Gases under pressure***	Void
· ***Flammable liquids***	Void
· ***Flammable solids***	Void
· ***Self-reactive substances and mixtures***	Void
· ***Pyrophoric liquids***	Void
· ***Pyrophoric solids***	Void
· ***Self-heating substances and mixtures***	Void
· ***Substances and mixtures, which emit flammable gases in contact with water***	Void
· ***Oxidising liquids***	Void
· ***Oxidising solids***	Void
· ***Organic peroxides***	Void
· ***Corrosive to metals***	No statement can be made on this point due to a lack of studies on the product.
· ***Desensitised explosives***	Void

SECTION 10: Stability and reactivity

· ***10.1 Reactivity*** No further relevant information available.
· ***10.2 Chemical stability***
· ***Thermal decomposition / conditions to be avoided:*** No decomposition if used according to specifications.
· ***10.3 Possibility of hazardous reactions*** No dangerous reactions known
· ***10.4 Conditions to avoid*** No further relevant information available.
· ***10.5 Incompatible materials:*** No further relevant information available.
· ***10.6 Hazardous decomposition products:***
None in case of intended use and storage in compliance with instructions.

SECTION 11: Toxicological information

· ***11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008***
· ***Acute toxicity*** Based on available data, the classification criteria are not met.
· ***Primary irritant effect:***
· ***Skin corrosion/irritation*** Based on available data, the classification criteria are not met.
· ***Serious eye damage/irritation*** Based on available data, the classification criteria are not met.
· ***Respiratory or skin sensitisation*** Based on available data, the classification criteria are not met.
· ***Germ cell mutagenicity*** Based on available data, the classification criteria are not met.
· ***Carcinogenicity*** Based on available data, the classification criteria are not met.
· ***Reproductive toxicity*** 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.
· ***11.2 Information on other hazards***

· ***Endocrine disrupting properties***
None of the ingredients is listed.

(Contd. on page 6)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.05.2025 *Version number 1* *Revision: 05.05.2025*

Trade name: **Vatral® 200 / HSMC - HOLLOWED SPHERES MATRIX COMPOUNDS**

(Contd. from page 5)

SECTION 12: Ecological information

· ***12.1 Toxicity***
· ***Aquatic toxicity:*** No further relevant information available.
· ***12.2 Persistence and degradability*** No further relevant information available.
· ***Other information:*** There are no data available about the preparation.
· ***12.3 Bioaccumulative potential*** No further relevant information available.
· ***12.4 Mobility in soil*** No further relevant information available.
· ***12.5 Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable.
· ***vPvB:*** Not applicable.
· ***12.6 Endocrine disrupting properties***
The product does not contain substances with endocrine disrupting properties.
· ***12.7 Other adverse effects*** No further relevant information available.
· ***Additional ecological information:***
· ***General notes:***
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

· ***13.1 Waste treatment methods***
· ***Recommendation***
The waste code numbers mentioned are recommendations based on the probable use of the product.

· ***European waste catalogue***	
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03 00	off-specification batches and unused products
16 03 04	inorganic wastes other than those mentioned in 16 03 03
17 00 00	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 09 00	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

· ***Uncleaned packagings:***
· ***Recommendation:***
Dispose of packaging according to regulations on the disposal of packagings.
Non contaminated packagings can be used for recycling.
· ***Recommended cleaning agent:*** Water, if necessary with cleaning agent.

SECTION 14: Transport information

· ***14.1 UN number or ID number***	
· ***ADR/RID, IMDG, IATA***	Void
· ***14.2 UN proper shipping name***	
· ***ADR/RID, IMDG, IATA***	Void

(Contd. on page 7)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.05.2025 *Version number 1* *Revision: 05.05.2025*

Trade name: Vatral® 200 / HSMC - HOLLOWED SPHERES MATRIX COMPOUNDS

(Contd. from page 6)

· **14.3 Transport hazard class(es)**	
· **ADR/RID, ADN, IMDG, IATA**	
· **Class**	Void
· **14.4 Packing group**	
· **ADR/RID, IMDG, IATA**	Void
· **14.5 Environmental hazards:**	Not applicable.
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **Transport/Additional information:**	Not dangerous according to the above specifications.
· **UN "Model Regulation":**	Void

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations**

· **Water hazard class:**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 8)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Trade name: Vatral® 200 / HSMC - HOLLOWED SPHERES MATRIX COMPOUNDS

(Contd. from page 7)

This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

· **Classification according to Regulation (EC) No 1272/2008** Calculation method

· **Department issuing data specification sheet:**

DEKRA This Safety Data Sheet has been drawn up in cooperation with:
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· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative

· **Sources**
The basis for the preparation of this safety data sheet are the information provided by the distributor.