

MSDS- VOGASEAL 200AC

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VOGEL SYSTEMS Safety data sheet

Date /Revised: 19.09.2022

Product: **MSDS- VOGASEAL 200AC**

Version: 1.0

Date of print 20.09.2022

1. Identification

Product identifier

VOGASEAL 200AC

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

Relevant identified uses: Product for construction chemicals Recommended use: for industrial and professional users



Details of the supplier of the safety data sheet

E-mail address: info@vogel-systems.de

Emergency telephone number

International emergency number

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**1. Product identifier**Product name **VOGASEAL 200AC****2. Relevant identified uses of the substance or mixture and uses advised against**Identified uses : **styrene acrylic copolymer****3. Details of the supplier of the safety data sheet**Supplier

Company name : Vogel co.

E-mail address: info@vogel-systems.de**2. COMPOSITION/INFORMATION ON INGREDIENTS****Classification of the Substance or Mixture**

This product is **not classified as hazardous** according to the Globally Harmonized System (GHS) and CLP Regulation (EC) No. 1272/2008.

Label Elements**Signal Word:** None**Hazard Pictograms:** None required**Hazard Statements:**

May cause mild skin and eye irritation

Inhalation of mist or vapor may cause slight respiratory discomfort

Precautionary Statements:**P261:** Avoid breathing mist, vapors, or spray**P280:** Wear protective gloves and eye protection**P264:** Wash hands thoroughly after handling**P271:** Use only in well-ventilated areas**P305 + P351 + P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.**P302 + P352:** IF ON SKIN: Wash with plenty of water**Other Hazards**

Prolonged or repeated exposure may lead to skin dryness

The product does **not** contain any substances classified as **PBT** (Persistent, Bioaccumulative, Toxic) or **vPvB** (very Persistent and very Bioaccumulative)

Does not meet criteria for endocrine disruptors

3. COMPOSITION

- **Substances**

This product is a **mixture**.

- **Mixtures**

The product consists of a water-based emulsion of a styrene-acrylic copolymer with pigments, fillers, and functional additives.

Component	CAS Number	% by Weight	Classification (GHS)
Styrene-Acrylic Copolymer	Proprietary	%60–40	Not classified
Titanium Dioxide (Pigment)	7-67-13463	%15–5	Eye Irrit. 2 (H319)*
Calcium Carbonate (Filler)	3-65-1317	%30–10	Not classified
Water	5-18-7732	%40–20	Not classified
Additives & Preservatives	Proprietary	%5>	May contain trace sensitizers

*Note: Titanium dioxide is classified as **IARC Group 2B** (possibly carcinogenic by inhalation **in powder form only**). This classification does **not apply** to liquid mixtures like this product.

4. FIRST AID MEASURES**Description of First Aid Measures**

- **Inhalation:**
Move person to fresh air and keep at rest in a position comfortable for breathing. If symptoms such as coughing or shortness of breath persist, seek medical attention.
- **Skin Contact:**
Wash skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If irritation develops, consult a physician.
- **Eye Contact:**
Rinse immediately with clean water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical advice if irritation persists.
- **Ingestion:**
Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

Most Important Symptoms and Effects, Both Acute and Delayed

- **Acute:**
Mild irritation to eyes, skin, or respiratory tract; possible headache or dizziness from prolonged exposure to vapors or spray mist.
- **Delayed:**
Prolonged or repeated skin exposure may cause dryness or cracking.

5. FIRE FIGHTING MEASURES**• Suitable Extinguishing Media**

Use extinguishing agents suitable for surrounding fire. Recommended media include:

Water spray (fog)

Foam

Dry chemical

Carbon dioxide (CO₂)

• Unsuitable Extinguishing Media

Do not use high-pressure water jets, as they may spread the product.

• Specific Hazards Arising from the Product

This product is **non-flammable** and does not support combustion.

In the event of a fire, **thermal decomposition** may produce:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Low levels of acrylate monomers or other organic vapors

• Advice for Firefighters

Wear **self-contained breathing apparatus (SCBA)** and full protective clothing.

Cool containers with water spray if exposed to fire or high heat.

Prevent firewater from entering drains or waterways.

6. ACCIDENTAL RELEASE MEASURES**• Personal Precautions, Protective Equipment and Emergency Procedures**

Avoid contact with skin, eyes, and clothing.

Ensure adequate ventilation.

Wear appropriate personal protective equipment (PPE), including gloves and safety goggles.

In case of large spills, isolate the area and prevent unauthorized access.

• Environmental Precautions

Do not allow product to enter drains, surface water, or soil.

In case of environmental contamination, notify the appropriate local authorities.

• Methods and Material for Containment and Cleaning Up

Contain the spill with non-combustible absorbent material (e.g., sand, earth, vermiculite).

Collect the absorbed material and place into suitable, labeled containers for proper disposal.

Clean the affected area thoroughly with water and detergent.

Avoid creating mist or dust during cleanup.

• Reference to Other Sections

For personal protective equipment: see **Section 8**

For disposal information: see **Section 13**

7. HANDLING AND STORAGE**Precautions for Safe Handling**

- Avoid contact with skin and eyes.
- Do not breathe vapor, mist, or spray.
- Use only with adequate ventilation.
- Wear appropriate personal protective equipment (see Section 8).
- Wash hands and exposed skin thoroughly after handling.
- Do not eat, drink, or smoke while using this product.
- Keep containers tightly closed when not in use.

Conditions for Safe Storage, Including Any Incompatibilities

- Store in a **cool, dry, well-ventilated area**.
- Keep away from direct sunlight, heat sources, and freezing temperatures.
- **Recommended storage temperature:** +5°C to +35°C.
- Do not store near incompatible substances such as strong oxidizers or acids.
- Keep container upright and tightly sealed to prevent leakage and contamination.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Substance	CAS Number	Occupational Exposure Limits
Titanium Dioxide	7-67-13463	10 mg/m ³ (TWA – total dust, inhalable)
Calcium Carbonate	3-65-1317	15 mg/m ³ (TWA – total dust)
Styrene-Acrylic Copolymer	Proprietary	Not established

- **Engineering controls:** Local exhaust ventilation
- **Respiratory:** Organic-vapour/particulate respirator if limits exceeded
- **Eye:** Splash-resistant goggles
- **Skin:** Nitrile or neoprene gloves; full protective clothing
- **Hygiene:** Wash hands before breaks and after work

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Viscous liquid
Color	White or tinted, depending on formulation
Odor	Mild acrylic odor
Odor Threshold	Not determined
pH	9.0 – 7.5
Melting/Freezing Point	~0°C (water-based)
Boiling Point / Range	~100°C (based on water content)
Flash Point	Not applicable
Evaporation Rate	Slow
Flammability (solid/gas)	Not flammable
Explosive Limits	Not applicable
Vapor Pressure	Low
Vapor Density	Not determined
Relative Density (Specific Gravity)	~1.3 – 1.5 g/cm ³
Solubility in Water	Miscible
Decomposition Temperature	Not determined

10. STABILITY AND REACTIVITY**Reactivity**

- The product is **not reactive** under normal handling and storage conditions.

Chemical Stability

- **Stable** under normal ambient conditions of temperature and pressure.
- Avoid exposure to freezing, extreme heat, or direct sunlight.

Possibility of Hazardous Reactions

- No hazardous polymerization or dangerous reactions known under normal use.
- Stable mixture—does not react with water or air.

Conditions to Avoid

- Excessive heat
- Freezing temperatures
- Direct sunlight
- Poor ventilation during application

Incompatible Materials

- Strong acids
- Strong bases
- Strong oxidizing agents

Hazardous Decomposition Products

- In fire or high-heat conditions, may release:
 - Carbon monoxide (CO)**
 - Carbon dioxide (CO₂)**
 - Minor traces of acrylates or hydrocarbon vapors

11. TOXICOLOGICAL INFORMATION**Information on Toxicological Effects**

- **Likely Routes of Exposure:**

Inhalation (vapors, spray mist) - Skin contact - Eye contact - Ingestion (accidental)

- **Symptoms and Effects:**

- **Inhalation:**

May cause mild irritation of the respiratory tract. Prolonged or repeated inhalation of spray mist may lead to headache, dizziness, or throat discomfort.

- **Skin Contact:**

May cause mild irritation or dryness, especially with repeated exposure.

- **Eye Contact:**

May cause temporary redness, tearing, or discomfort.

- **Ingestion:**

Not intended for ingestion. May cause gastrointestinal discomfort such as nausea or upset stomach.

- **Additional Toxicological Information:**

- **Skin Corrosion/Irritation:**

Not corrosive. May cause mild, reversible irritation with prolonged contact.

- **Serious Eye Damage/Irritation:**

Not classified as serious eye damage; irritation is typically mild and transient.

- **Germ Cell Mutagenicity:**

No components known to be mutagenic.

- **Carcinogenicity:**

Titanium Dioxide: IARC Group 2B – *possibly carcinogenic by inhalation of airborne particles in powder form only.*

- **Reproductive Toxicity:**

No known reproductive or developmental toxicity.

- **STOT (Specific Target Organ Toxicity) – Single or Repeated Exposure:**

No known organ toxicity under normal use.

- **Aspiration Hazard:**

Not an aspiration hazard.

12. ECOLOGICAL INFORMATION**• Toxicity**

This product is **not classified as hazardous to the environment**.

Based on available data for components, it is expected to have **low aquatic toxicity**.

Substance	Test Organism	Result
Titanium Dioxide	Fish (96h LC ₅₀)	>1000 mg/L
Calcium Carbonate	Fish (96h LC ₅₀)	>5600 mg/L
Styrene-Acrylic Copolymer	No data available	Not expected to be toxic

• Persistence and Degradability

Styrene-acrylic copolymer is not readily biodegradable but is not expected to persist in harmful concentrations.

Inorganic components (titanium dioxide and calcium carbonate) are non-degradable but naturally occurring and environmentally inert.

• Bioaccumulative Potential

No component is expected to bioaccumulate.

Low potential due to high molecular weight and water solubility.

• Mobility in Soil

Product is miscible with water and may migrate in liquid form.

Once dried or cured, it is immobile in soil and not expected to leach.

• Results of PBT and vPvB Assessment

This mixture does **not contain** substances identified as **Persistent, Bioaccumulative, and Toxic (PBT)** or **very Persistent and very Bioaccumulative (vPvB)** as defined by REACH.

• Other Adverse Effects

None known under normal use.

13. DISPOSAL CONSIDERATIONS**• Waste Treatment Methods****• Product Disposal:**

Dispose of this material in accordance with local, regional, and national regulations.

Do **not** pour into drains, watercourses, or onto the ground.

Unused liquid product should be delivered to an authorized waste treatment facility.

Cured or dried product can typically be treated as non-hazardous construction or solid waste.

• Packaging Disposal:

Empty containers may contain residual product. Do **not** reuse containers without thorough cleaning.

Recycle containers where facilities exist, or dispose of as industrial waste in accordance with local regulations.

Follow all label instructions even after container is empty.

• European Waste Catalogue (EWC) Code:

08 01 12 – Waste paint and varnish other than those mentioned in 08 01 11

• Special Precautions:

Avoid disposal that leads to environmental contamination.

Minimize waste generation whenever possible through responsible use and storage.

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14. TRANSPORT INFORMATION

Regulatory Information	Details
UN Number	Not applicable
UN Proper Shipping Name	Not regulated as dangerous goods
Transport Hazard Class(es)	None
Packing Group	Not applicable
Environmental Hazards	Not environmentally hazardous
Special Precautions for User	None required under standard conditions
Transport in Bulk (MARPOL/IBC)	Not applicable

Additional Information by Mode of Transport:**ADR/RID (Road/Rail – Europe):** Not regulated**IMDG (Sea Transport):** Not classified as marine pollutant**IATA/ICAO (Air Transport):** Not regulated**DOT (U.S.):** Not classified as a hazardous material**Note:** This product is considered **non-dangerous for all modes of transport** under current international regulations.**15. Regulatory Information**

Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture

Region / Regulation	Compliance Status
EU – REACH (EC 1907/2006)	All ingredients are registered or exempt under REACH
EU – CLP (EC 1272/2008)	Not classified as hazardous
EU Waste Framework Directive	Waste code applicable: 08 01 12 (non-hazardous paint waste)
USA – OSHA (29 CFR 1910.1200)	Product is not classified as a hazardous chemical
USA – TSCA Inventory	All components listed or exempt
Canada – WHMIS Classification	Not a controlled product
Australia – AICS	All components are listed or exempt
China – IECSC	Components are believed to be listed or exempt
Korea – KECI	Components are listed
Japan – ENCS / ISHL	Components comply with local inventory requirements
Philippines – PICCS	Components listed or exempt

- A **Chemical Safety Assessment (CSA)** has **not been carried out** for this mixture, as it is not classified as hazardous under CLP/GHS criteria.

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16. OTHER INFORMATION

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable