

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 16.09.2020

Version number 4

Revision: \_\_\_\_\_ 16.09.2020

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

· **1.1 Product identifier**

· **Trade name:** Rhodoclaim Powder

Rhodoclaim Pulver

· **Article number:** 81010144

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Not approved for private consumers.

· **Application of the substance / the mixture**

Reducing agent/ Deoxidiser  
Flocculant/ Flocculating agent

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Heimerle + Meule GmbH  
Dennigstrasse 16  
D-75179 Pforzheim

Telefon +49 (0) 7231 940-0  
Telefax +49 (0) 7231 940-2199  
www.heimerle-meule.com

· **Further information obtainable from:**

Abteilung BASU - Bau/Arbeitssicherheit/Umwelt  
Department BASU - Construction / Occupational Safety / Environment  
sds@heimerle-meule.com

IATA - 24h Emergency Contact - IATA - 24h Emergency Contact -  
(Dangerous goods emergency number)  
+49 172 739 6970

· **1.4 Emergency telephone number:**

DEUTSCHLAND - GERMANY:

Vergiftungs-Informationen-Zentrale Freiburg, ++49 761 19240 (24 h)  
(Poisoning Information Center)

GREAT BRITAIN:

National Poisons Information Service +44 121 507 4123  
Members of the public seeking specific information on poisons should contact:

In England and Wales: NHS 111 - dial 111 - In Scotland: NHS 24 - dial 111

ITALY:

Istituto Superiore di Sanità +3906499906140

KROATIA - REPUBLIKA HRVATSKA:

(+385) 01 2348 342

ESTLAND - ESTONIA:

Tervisemeti Mürgistusteabekeskuse 16662, (+342) 7914 794

LETTLAND - LATVIA:

Latvijas Vides, ģeoloģijas un meteoroloģijas centrs (+371) 670 32600

LITAUEN - LIETUVOS RESPUBLIKA:

Apsinuodijimų informacijos biuras +370 (85) 2362052

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 16.09.2020

Version number 4

Revision: \_\_\_\_\_ 16.09.2020

**Trade name: Rhodoclain Powder**  
**Rhodoclain Pulver**

(Contd. of page 1)

## SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008  
The product is classified and labelled according to the CLP regulation.
- Hazard pictograms



GHS05

- Signal word *Danger*
- Hazard-determining components of labelling:  
aluminium sulphate  
calcium oxide
- Hazard statements  
H318 Causes serious eye damage.
- Precautionary statements  
P280 Wear eye protection / face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.
- Labelling of packages where the contents do not exceed 125 ml
- Hazard pictograms



GHS05

- Signal word *Danger*
- Hazard-determining components of labelling:  
aluminium sulphate  
calcium oxide
- Hazard statements  
H318 Causes serious eye damage.
- Precautionary statements  
P280 Wear eye protection / face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.

(Contd. on page 3)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 16.09.2020

Version number 4

Revision: \_\_\_\_\_ 16.09.2020

**Trade name: Rhodoclain Powder**  
**Rhodoclain Pulver**

(Contd. of page 2)

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components / Information on ingredients:**

CAS: 10043-01-3 EINECS: 233-135-0 RTECS: BD 1700000	aluminium sulphate	☠ Eye Dam. 1, H318	≥25–≤50%
CAS: 1305-78-8 EINECS: 215-138-9 RTECS: EW 3100000	calcium oxide	☠ Eye Dam. 1, H318	≥10–≤25%

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**  
Personal protection for the First Aider.  
Involve doctor immediately after a accident or unwell
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
Rinse with warm water.
- **After eye contact:**  
Seek medical treatment.  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Drink plenty of water and provide fresh air. Call for a doctor immediately.  
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:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 16.09.2020

Version number 4

Revision: \_\_\_\_\_ 16.09.2020

**Trade name: Rhodoclain Powder**  
**Rhodoclain Pulver**

(Contd. of page 3)

- **5.3 Advice for firefighters**
- **Protective equipment:**



Wear self-contained respiratory protective device.

*Beware: Filter masks provide protection for a short period of time only. They should only be used in exceptional cases, that is if a small amount of the substance has spilled out or in order to fight spillages and fire*

- **Additional information**

*Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.*

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

*Wear protective equipment. Keep unprotected persons away.*

*Use respiratory protective device against the effects of fumes/dust/aerosol.*

- **6.2 Environmental precautions:** *Do not allow to enter sewers/ surface or ground water.*

- **6.3 Methods and material for containment and cleaning up:**

*Ensure adequate ventilation.*

*Dispose of the material collected according to regulations.*

- **6.4 Reference to other sections**

*See Section 7 for information on safe handling.*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for disposal information.*

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

*Ensure good ventilation/exhaustion at the workplace.*

*the usual precautionary measures are to be adhered to when handling chemicals.*

*Prevent formation of aerosols.*

*Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.*

- **Information about fire - and explosion protection:** *No special measures required.*

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** *Only store in heated receptacles.*

- **Information about storage in one common storage facility:** *Not required.*

- **Further information about storage conditions:** *None.*

- **Storage class:** 13

- **7.3 Specific end use(s)** *No further relevant information available.*

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** *No further data; see item 7.*

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 10043-01-3 aluminium sulphate**

WEL (Great Britain)	Long-term value: 2 mg/m <sup>3</sup>
---------------------	--------------------------------------

(Contd. on page 5)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 16.09.2020

Version number 4

Revision: \_\_\_\_\_ 16.09.2020

**Trade name: Rhodoclain Powder**  
**Rhodoclain Pulver**

(Contd. of page 4)

**CAS: 1305-78-8 calcium oxide**

<i>WEL (Great Britain)</i>	Short-term value: 4* mg/m <sup>3</sup> Long-term value: 2 1* mg/m <sup>3</sup> *respirable fraction
<i>IOELV (European Union)</i>	Short-term value: 4 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup> Respirable fraction
<i>AGW (Germany)</i>	Long-term value: 1E mg/m <sup>3</sup> 2(I);Y, DFG

· **Regulatory information***WEL (Great Britain): EH40/2020**IOELV (European Union): (EU) 2019/1831**AGW (Germany): TRGS 900*· **Additional information:** *The lists valid during the making were used as basis.*· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:***Do not eat or drink while working.**The usual precautionary measures are to be adhered to when handling chemicals.**Immediately remove all soiled and contaminated clothing**Wash hands before breaks and at the end of work.**Do not inhale gases / fumes / aerosols.**Avoid contact with the eyes.**According to EC Directive 89/686/EEC*· **Respiratory protection:***Filter P2**Filter P3**Short term filter device:**In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.**Beware: Filter masks provide protection for a short period of time only. They should only be used in exceptional cases, that is if a small amount of the substance has spilled out or in order to fight spillages and fire.**according to EN 143*· **Protection of hands:***Protective gloves**according to EN 374**To avoid skin problems reduce the wearing of gloves to the required minimum.**Only use chemical-protective gloves with CE-labelling of category III.**Sensibilisation by the components in the glove materials is possible.**Check the permeability prior to each anewed use of the glove.**The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.**Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation**Prior to working with gloves the rubbing in with tanniferous skin-protecting agents for the avoidance of skin softening due to perspiration is recommended.*· **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*

(Contd. on page 6)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 16.09.2020

Version number 4

Revision: \_\_\_\_\_ 16.09.2020

**Trade name: Rhodoclain Powder**  
**Rhodoclain Pulver**

(Contd. of page 5)

application.

- **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.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 3).

- **Eye protection:**



Tightly sealed goggles

according to EN 166

- **Body protection:** Protective work clothing

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

· <b>Form:</b>	Powder
· <b>Colour:</b>	Dark grey
· <b>Odour:</b>	Odourless
· <b>Odour threshold:</b>	Not determined.

- **pH-value at 20°C (68°F):** 6–7

- **Change in condition**

· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Initial boiling point and boiling range:</b>	Undetermined.

- **Flash point:** Not applicable.

- **Flammability (solid, gas):** Not determined.

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Product does not present an explosion hazard.

- **Explosion limits:**

· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.

- **Vapour pressure:** Not applicable.

- **Density:** Not determined.

- **Relative density** Not determined.

- **Vapour density** Not applicable.

- **Evaporation rate** Not applicable.

- **Solubility in / Miscibility with water:**

Partly soluble.

(Contd. on page 7)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 16.09.2020

Version number 4

Revision: \_\_\_\_\_ 16.09.2020

**Trade name: Rhodoclain Powder**  
**Rhodoclain Pulver**

(Contd. of page 6)

- |  |   |
|--|---|
| · <b>Partition coefficient: n-octanol/water:</b> | <i>Not determined.</i>                            |
| · <b>Viscosity:</b>                              |   |
| <b>Dynamic:</b>                                  | <i>Not applicable.</i>                            |
| <b>Kinematic:</b>                                | <i>Not applicable.</i>                            |
| · <b>9.2 Other information</b>                   | <i>No further relevant information available.</i> |

### 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** *Reacts with acids, alkalis and oxidising agents.*
- **10.4 Conditions to avoid** *No further relevant information available.*
- **10.5 Incompatible materials:** *No further relevant information available.*
- **10.6 Hazardous decomposition products:** *Sulphur dioxide*

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **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**  
*Causes serious eye damage.*
- **Respiratory or skin sensitisation** *Based on available data, the classification criteria are not met.*
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.*

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **12.2 Persistence and degradability** *No further relevant information available.*
- **12.3 Bioaccumulative potential** *No further relevant information available.*
- **12.4 Mobility in soil** *No further relevant information available.*
- **Additional ecological information:**
- **General notes:** *Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water*
- **12.5 Results of PBT and vPvB assessment** *Not applicable.*
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **12.6 Other adverse effects** *No further relevant information available.*

GB

(Contd. on page 8)





**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 16.09.2020

Version number 4

Revision: \_\_\_\_\_ 16.09.2020

**Trade name: Rhodoclain Powder**  
**Rhodoclain Pulver**

(Contd. of page 8)

.	+49 172 739 6970
· <b>UN "Model Regulation":</b>	Void

### SECTION 15: Regulatory information

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

COUNCIL DIRECTIVE 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC)

DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

#### · TSCA (Toxic Substances Control Act)

All ingredients are listed.

#### · GADSL - Global Automotive Declarable Substance List

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.

#### · National regulations:

· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Other regulations, limitations and prohibitive regulations -**

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

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Reasons for revise

If necessary, this safety data sheet can be revised according to legal guidelines.

Our current version for your reference is available on our website

[www.heimerle-meule.com](http://www.heimerle-meule.com)

· **Date from last issue :** 06.03.2018

#### · Relevant phrases

H318 Causes serious eye damage.

#### · Department issuing SDS:

Abteilung BASU - Bau/Arbeitssicherheit/Umwelt

Department BASU - Construction / Occupational Safety / Environment

[sds@heimerle-meule.com](mailto:sds@heimerle-meule.com)

#### · Contact:

Herr Thomas Knuth

[Knuth@heimerle-meule.com](mailto:Knuth@heimerle-meule.com)

[sds@heimerle-meule.com](mailto:sds@heimerle-meule.com)

(Contd. on page 10)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 16.09.2020

Version number 4

Revision: \_\_\_\_\_ 16.09.2020

**Trade name: Rhodoclain Powder**  
**Rhodoclain Pulver**

(Contd. of page 9)

· **Abbreviations and acronyms:**

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)*

*ICAO: International Civil Aviation Organisation*

*ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)*

*AwSV: Ordinance on facilities for handling water-polluting substances (German regulation).*

*TRGS: Technical rules for hazardous substances (German regulation)*

*ADR: Accord européen sur le transport 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*

*vPvB: very Persistent and very Bioaccumulative*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

· **\* Data compared to the previous version altered.**

-GB-