

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 11.04.2023

Version number 2 (replaces version 1)

Revision: 06.02.2023

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

- **Product identifier**
- **Trade name:** Simichrome Polish
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Polishing agent/ Burnishing compound
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Happich GmbH
Lise-Meitner-Straße 14
D-42119 Wuppertal

Tel.: +49 (0)202 - 8 70 30

E-Mail: info@happich.de
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:** Tel.: +49-(0)202 - 8 70 30 (Monday to friday: 8:00 - 16:00)

SECTION 2: Hazards identification





- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonised System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**
Repeated exposure may cause skin dryness or cracking.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:**
The mixture does not contain any PBT (PBT: persistent, bioaccumulative, toxic) substance or does not fulfil criteria for PBT according to annex XIII of regulation (EC) 1907/2006 (< 0,1 %).
- **vPvB:**
The mixture does not contain any vPvB (vPvB: very persistent, very bioaccumulative) substance or does not fulfil criteria for vPvB according to annex XIII of regulation (EC) 1907/2006 (< 0,1 %).

SECTION 3: Composition/information on ingredients

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

· **Dangerous components:**

CAS: 1344-28-1 EINECS: 215-691-6 Reg.nr.: 01-2119529248-35	aluminium oxide	20-<30%
CAS: 64742-48-9 EC number: 918-481-9 Reg.nr.: 01-2119457273-39	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics  Asp. Tox. 1, H304 EUH066	20-<30%
CAS: 544-60-5 EINECS: 208-873-1 Reg.nr.: 01-2120057728-45	ammonium oleate Aquatic Chronic 3, H412	5-<10%
CAS: 1336-21-6 EINECS: 215-647-6 Reg.nr.: 01-2119982985-14	ammonia  Skin Corr. 1A, H314; Eye Dam. 1, H318  Aquatic Acute 1, H400  STOT SE 3, H335	0.1-<1%

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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
If symptoms persist consult doctor.
- **After inhalation:** Fresh air. If pain persists, get medical attention.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Immediately flush eyes with plenty of water with lids lifted. If symptoms persist, seek medical advice.
- **After swallowing:**
Rinse out mouth with water.
Do not give anything to drink.
Do not induce vomiting; call for medical help immediately.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
If swallowed or in case of vomiting, danger of entering the lungs.

SECTION 5: Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Full water jet
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Sulphur dioxide (SO₂)
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective clothing.
Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

- **Precautions for safe handling**

Observe the usual precautionary measures for handling chemicals.

Avoid contact with eyes.

Avoid close or long term contact with the skin.

Clean skin after contact with substance.

Observe use instructions.

- **Information about fire - and explosion protection:** The product is not flammable.

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

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** Provide solvent resistant, sealed floor.

- **Information about storage in one common storage facility:** Store away from oxidising agents.

- **Further information about storage conditions:**

Store in dry conditions at 10 - 25 °C.

Protect from frost.

- **Storage class:** 10 - 13 (Germany)

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

SECTION 8: Exposure controls/personal protection

- **Control parameters**

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

1344-28-1 aluminium oxide

WEL Long-term value: 10* 4** mg/m³

*inhalable dust **respirable dust

- **Additional information:** The lists valid during the making were used as basis.

- **Exposure controls**

- **Appropriate engineering controls** No further data; see section 7.

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures:**

Avoid close or long term contact with the skin.

Observe the usual precautionary measures for handling chemicals.

Wash hands before breaks and at the end of work.

- **Respiratory protection:**

Not necessary if room is well-ventilated.

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.

- **Recommended filter device for short term use:**

Filter A

Combination filter B-P2

- **Hand protection**

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.



Protective gloves

Protective gloves according EN 374.

Check the permeability prior to each renewed use of the glove.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Recommended thickness of the material: ≥ 0.5 mm

Penetration time: ≥ 480 minutes (Permeation according to EN 374 Part 3: Level 6)

Nitrile rubber, NBR

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.

- **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.

- **Eye/face protection** Goggles should comply with DIN EN 166 or similar standard.

- **Body protection:**

Protective work clothing

Light weight protective clothing

SECTION 9: Physical and chemical properties

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

- **General Information**

- **Physical state**

Solid

- **Colour:**

Pink

- **Odour:**

Ammonia-like

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Not determined.

- **Boiling point or initial boiling point and boiling range**

> 100 °C

- **Flammability**

Not determined.

- **Lower and upper explosion limit**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Flash point:**

Not applicable.

- **Decomposition temperature:**

Not determined.

- **pH at 20 °C**

9.5 - 11.4

Not determined.

- **Viscosity:**

- **Kinematic viscosity**

Not determined.

- **Kinematic viscosity**

- **Dynamic at 20 °C:**

> 10.000 mPas

Not determined.

- **Solubility**

- **water:**

Dispersible.

- **Partition coefficient n-octanol/water (log value)**

Not determined.

- **Vapour pressure:**

Not applicable.

- **Vapour pressure:**

- **Density and/or relative density**

- **Density at 20 °C:**

1.10 - 1.40 g/cm³

- **Relative density**

Not determined.

- **Vapour density**

Not applicable.

- **Relative gas density**

Not determined.

- **Particle characteristics**

Not applicable.

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- **Other information**
- **Appearance:**
- **Form:** Pasty
- **Important information on protection of health and environment, and on safety.**
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Solvent content:**
- **Organic solvents:** 15 - 25 %
- **Solids content:** < 40 %
- **Change in condition**
- **Softening point/range**
- **Oxidising properties** Not applicable.
- **Evaporation rate** Not applicable.

- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **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** Void
- **Desensitised explosives** Void

SECTION 10: Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
Do not expose to temperatures exceeding 50 °C.
- **Possibility of hazardous reactions** Reacts with strong acids and oxidising agents.
- **Conditions to avoid** Protect from frost.
- **Incompatible materials:**
strong oxidizing agents
Acids
- **Hazardous decomposition products:** Hydrogen

SECTION 11: Toxicological information

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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· LD/LC50 values relevant for classification:**64742-48-9 Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

Oral LD50 >5,000 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

- **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.
- **Additional toxicological information:**
Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.
- **Repeated dose toxicity** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
No further relevant information available.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Information on other hazards**

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information**· Toxicity****· Aquatic toxicity:****64742-48-9 Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

EC50 >1,000 mg/l (algae) (96 h)

>1,000 mg/l (fish) (96 h)

LC50 >1,000 mg/l (fish)

- **Persistence and degradability** The contained surfactants are easily biodegradable
- **Bioaccumulative potential** Bioaccumulation potentially possible.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **Other adverse effects**
- **Additional ecological information:**
- **General notes:**
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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SECTION 13: Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Smaller quantities can be disposed of with household waste.
Dispose of in accordance with all applicable local and national regulations.
- **Uncleaned packaging:**
- **Recommendation:**
Dispose of in accordance with all applicable local and national regulations.
Non contaminated packagings may be recycled.

SECTION 14: Transport information

· UN number or ID number · ADR, ADN, IMDG, IATA	Void
· UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Void
· Packing group · ADR, IMDG, IATA	Void
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user	Not applicable.
· Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	Product is not readily combustible according to UN method N.I.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations:**
- **Information about limitation of use:**
Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed, if applicable.
- **Chemical safety assessment:**
A Chemical Safety Assessment has not been carried out, because it is not necessary for mixtures.

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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. Liability excluded.

· **Relevant phrases**

- H304 May be fatal if swallowed and enters airways.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

· **Training hints**

Instructions on hazards and protective measures based on operating instructions. The instructions must be given before start of employment and at least once a year.

· **Department issuing SDS:** Product safety department

· **Contact:** Product safety department

· **Abbreviations and acronyms:**

- GB CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008
- UK REACH: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
- EC50: effective concentration, 50 percent
- 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
- VCI: Verband der chemischen Industrie, Deutschland (German chemical industry association)
- 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)
- DNEL: Derived No-Effect Level (UK REACH)
- PNEC: Predicted No-Effect Concentration (UK REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: persistent, bioaccumulative, toxic
- vPvB: very persistent, very bioaccumulative
- Skin Corr. 1A: Skin corrosion/irritation – Category 1A
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· **Sources**

The safety data sheet was prepared with the help of the relevant MSDS of the raw materials, data from the ECHA databases, current literature references and the guidelines of ECHA for the preparation of safety data sheets.