

**Material Safety Data Sheet**  
acc. to ISO/DIS 11014

Printing date 05/30/2012

Reviewed on 05/30/2012

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

· **Product identifier**

· Trade name: Simichrome Polish

· Application of the substance / the preparation Polishing agent/ Burnishing compound

· Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Happich GmbH  
Lise-Meitner-Straße 14  
D-42119 Wuppertal

E-Mail: [info@happich.de](mailto:info@happich.de)

**Distributor:**

**Competition Chemicals Inc.**  
P.O. Box 820  
Iowa Falls, Iowa 50126-0820

E-Mail: [Compchem@ymail.com](mailto:Compchem@ymail.com)  
Telephone 641-648-5121

· Information department: Product safety department

· Emergency telephone number: Tel.: +49-(0)202 - 8 70 30 (8:00 - 16:00)

**2 Composition/information on ingredients**

· Chemical characterization: Mixtures

· Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

|            |  |         |
|------------|--|---------|
| 64742-82-1 | Naphtha (petroleum), hydrodesulfurized heavy<br>⚠ H226; ⚠ H304; ⚠ H411 | 10-<15% |
| 8008-20-6  | Kerosine (petroleum)<br>⚠ H304; H227                                   | 10-<15% |
| 1336-21-6  | ammonia<br>⚠ H314; H318; ⚠ H400; ⚠ H302; H335                          | 1-<5%   |

**3 Hazards identification**

· Classification of the substance or mixture

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC

*Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.*

· Information concerning particular hazards for human and environment:

*The product has to be labelled due to the calculation procedure of international guidelines.*

*At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.*

· Classification system:

*The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.*

· Label elements

· Labelling according to EU guidelines:

*The product has been classified and marked in accordance with directives on hazardous materials.*

· Risk phrases:

*Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Repeated exposure may cause skin dryness or cracking.*

· Safety phrases:

*Keep out of the reach of children.*

*After contact with skin, wash immediately with plenty of soap and water.*

*If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.*

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- Classification system:
- NFPA ratings (scale 0 - 4)



Health = 0  
Fire = 2  
Reactivity = 0

- HMIS-ratings (scale 0 - 4)



Health = 0  
Fire = 2  
Reactivity = 0

#### 4 First aid measures

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:  
Rinse out mouth with water.  
Do not induce vomiting; immediately call for medical help.

#### 5 Firefighting measures

- Suitable extinguishing agents:  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture  
In case of fire, the following can be released:  
Carbon monoxide (CO)  
Nitrogen oxides (NO<sub>x</sub>)
- Protective equipment:  
Do not inhale explosion gases or combustion gases.  
Wear self-contained respiratory protective device.
- Additional information  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

#### 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures  
Wear protective clothing.  
Ensure adequate ventilation  
Product forms slippery surface when combined with water.
- 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 item 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. (Contd. of page 2)

**7 Handling and storage**

- **Handling:**
- **Precautions for safe handling**  
Observe use instructions.  
Avoid contact with eyes.  
Avoid close or long term contact with the skin.
- **Information about protection against explosions and fires:** No special measures required.
- **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 oxidizing agents.  
Further information about storage conditions:  
Protect from frost.  
Store in dry conditions.  
Store in a cool place.
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

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

|   |                       |
|---|-----------------------|
| · <b>Components with limit values that require monitoring at the workplace:</b> |                       |
| 8008-20-6 Kerosine (petroleum)  |                       |
| REL   | 100 mg/m <sup>3</sup> |
| TLV   | 200 mg/m <sup>3</sup> |
| as total hydrocarbon vapor; Skin; P   |                       |

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.  
Avoid contact with the eyes.  
Avoid close or long term contact with the skin.  
Do not eat or drink while working.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**  
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  
Protective gloves according EN 374.
- **Material of gloves**  
Nitrile rubber, NBR  
PVC 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.
- **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 protection:** Goggles recommended during refilling.
- **Body protection:** Light weight protective clothing

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**9 Physical and chemical properties**

|  |  |
|--|--|
| · <b>General Information</b>                                 |  |
| · <b>Appearance:</b>   |  |
| Form:  | Pasty  |
| Color:   | Pink   |
| · Odor:  | Ammonia-like   |
| · Odour threshold:   | Not determined.                                      |
| · pH-value at 20°C (68 °F):                                  | 9.5 - 11.4   |
| · <b>Change in condition</b>                                 |  |
| Melting point/Melting range:                                 | Undetermined.  |
| Boiling point/Boiling range:                                 | > 100°C (> 212 °F)                                   |
| · Flash point:   | 52°C (126 °F)  |
| · Flammability (solid, gaseous):                             | Not applicable.                                      |
| · <b>Ignition temperature:</b>                               |  |
| Decomposition temperature:                                   | Not determined.                                      |
| · Auto igniting:   | Product is not selfigniting.                         |
| · Danger of explosion:                                       | Product does not present an explosion hazard.        |
| · <b>Explosion limits:</b>                                   |  |
| Lower:   | Not determined.                                      |
| Upper:   | Not determined.                                      |
| · Vapor pressure:  | Not determined.                                      |
| · Density at 20°C (68 °F):                                   | 1.13 - 1.17 g/cm <sup>3</sup> (9.43 - 9.764 lbs/gal) |
| · Relative density   | Not determined.                                      |
| · Vapour density   | Not determined.                                      |
| · Evaporation rate   | Not determined.                                      |
| · <b>Solubility in / Miscibility with</b>                    |  |
| Water:   | Not miscible or difficult to mix.                    |
| · Segregation coefficient (n-octanol/water): Not determined. |  |
| · <b>Viscosity:</b>  |  |
| Dynamic at 20°C (68 °F):                                     | > 60000 cps  |
| Kinematic at 40°C (104 °F):                                  | > 7 E -6 m <sup>2</sup> /s                           |
| · <b>Solvent content:</b>                                    |  |
| Organic solvents:  | 15 - 25 %  |
| · Other information  | No further relevant information available.           |

**10 Stability and reactivity**

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Incompatible materials: Acides.
- Hazardous decomposition products: Hydrogen

**11 Toxicological information**

|   |                                     |
|---|-------------------------------------|
| · <b>Acute toxicity:</b>                                |                                     |
| · LD/LC50 values that are relevant for classification:  |                                     |
| 64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy |                                     |
| Oral  | LD50 > 15000 mg/kg (rat) (OECD 401) |

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|                   |      |                             |
|-------------------|------|-----------------------------|
| Dermal            | LD50 | 3400 mg/kg (rat) (OECD 402) |
| 1336-21-6 ammonia |      |                             |
| Oral              | LD50 | 350 mg/kg (rat)             |

- **Primary irritant effect:**
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.  
The product is not subject to classification according to internally approved calculation methods for preparations:

**12 Ecological information**

|   |                              |  |
|---|------------------------------|--|
| · <b>Aquatic toxicity:</b>                              |                              |  |
| 64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy |                              |  |
| EC50  | 10 mg/l (daphnia) (OECD 202) |  |
| LC50  | 10 mg/l (Fis) (OECD 203)     |  |

- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** Bioaccumulation is possible.
- **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.  
Harmful to aquatic organisms  
Water hazard class 2 (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.

**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:** Dispose of in accordance with all applicable local and national regulations.
- **Uncleaned packagings:**
- **Recommendation:**  
Non contaminated packagings can be used for recycling.  
Disposal must be made according to official regulations.

**14 Transport information**

|                           |  |
|---------------------------|--|
| · UN-Number               |  |
| · DOT                     | NA1993   |
| · ADR, ADN, IMDG, IATA    | Void   |
| · UN proper shipping name |  |
| · DOT                     | COMBUSTIBLE LIQUID, N.O.S (Naphtha (petroleum), hydrodesulfurized heavy, KEROSENE) |
| · ADR, ADN, IMDG, IATA    | Void   |

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|   |                      |
|---|----------------------|
| · Transport hazard class(es)  |                      |
| · DOT   |                      |
|  |                      |
| · Class   | 3 Flammable Liquids. |
| · Label   | 3                    |
| · ADR   |                      |
|  |                      |
| · Class   | Void                 |
| · ADN/R Class:  | Void                 |
| · Packing group   |                      |
| · DOT   | III                  |
| · ADR, IMDG, IATA   | Void                 |
| · Environmental hazards:  |                      |
| · Marine pollutant:   | No                   |
| · Special precautions for user  | Not applicable.      |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code         | Not applicable.      |

**15 Regulatory information**

|   |   |
|---|---|
| · Sara  |   |
| · Section 355 (extremely hazardous substances):               |   |
| None of the ingredients is listed.                            |   |
| · Section 313 (Specific toxic chemical listings):             |   |
| 1344-28-1   | aluminium oxide                                     |
| · TSCA (Toxic Substances Control Act):                        |   |
| 1344-28-1   | aluminium oxide                                     |
| 64742-82-1  | Naphtha (petroleum), hydrodesulfurized heavy        |
| 8008-20-6   | Kerosine (petroleum)                                |
| 67701-06-8  | Fatty acids, C14-18 and C16-18-unsatd.              |
| 68603-42-9  | Amides, coco, N,N-bis(hydroxyethyl)                 |
| 56-40-6   | glycine--iron sulphate (1:1)                        |
| 7732-18-5   | water, distilled, conductivity or of similar purity |
| · Proposition 65  |   |
| · Chemicals known to cause cancer:                            |   |
| None of the ingredients is listed.                            |   |
| · Chemicals known to cause reproductive toxicity for females: |   |
| None of the ingredients is listed.                            |   |
| · Chemicals known to cause reproductive toxicity for males:   |   |
| None of the ingredients is listed.                            |   |

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· *Chemicals known to cause developmental toxicity:*  
None of the ingredients is listed.

· *Carcinogenic categories*  
· *EPA (Environmental Protection Agency)*  
None of the ingredients is listed.

· *IARC (International Agency for Research on Cancer)*  
8008-20-6 | *Kerosine (petroleum)* | 2B

· *NTP (National Toxicology Program)*  
None of the ingredients is listed.

· *TLV (Threshold Limit Value established by ACGIH)*  
1344-28-1 | *aluminium oxide* | A4  
8008-20-6 | *Kerosine (petroleum)* | A3

· *NIOSH-Ca (National Institute for Occupational Safety and Health)*  
None of the ingredients is listed.

· *OSHA-Ca (Occupational Safety & Health Administration)*  
None of the ingredients is listed.

· *Product related hazard informations:*  
*The product has been classified and marked in accordance with directives on hazardous materials.*

· *Risk phrases:*  
*Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*  
*Repeated exposure may cause skin dryness or cracking.*

· *Safety phrases:*  
*Keep out of the reach of children.*  
*After contact with skin, wash immediately with plenty of soap and water.*  
*If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.*

**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.*

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