SAFETY DATA SHEET in accordance with 2001/58/EC

Trade name: Simichrome Polish
Issued: June 01, 2005

Revision 03

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1 Identification of the preparation and company

Product details
Trade name: Simichrome Polish
Use: Cleaning and polishing metals
Supplier: Happich Fahrzeug- und Industrieteile GmbH
Konsumstr. 45
D-42285 Wuppertal

Emergency telephone number of the company: +49 202 8703-0

2 Composition / Information on ingredients

Chemical characterization
Polish based on aluminium oxide, dispersed in water/solvent emulsion.

Hazardous ingredients

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS-No.</th>
<th>Component</th>
<th>wt. %</th>
<th>Symbol</th>
<th>R-Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>215-647-6</td>
<td>1336-21-6</td>
<td>Ammonia sol. (25%)</td>
<td>1-5</td>
<td>C, N</td>
<td>34-50</td>
</tr>
</tbody>
</table>

Remarks: The classification of a product would be indicated under section 15. Wording of R-phrases see section 16.

3 Hazards identification

Hazard designation: Irritant
Information pertaining to particular dangers for man and environment:
Irritating to skin
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

4 First aid measures

General Information:

Inhalation: Fresh air and keep at rest until symptoms resolve. If pain persists, get medical attention.
Skin contact: Wash off with plenty of water and soap.
Eye contact: Immediately flush eyes with plenty of water with lids lifted. If irritation persists seek medical advice.
Ingestion: In case of ingestion, drink water. Do not induce vomiting. Seek medical advice.
5 Fire-fighting measures

This preparation is not flammable and does not support combustion. The following applies for a fire involving this preparation.

Suitable extinguishing agents: Foam, water spray jet, powder, carbon dioxide, sand, earth

Unsuitable extinguishing agents: Full water jet

Fire and explosion hazards: In case of fire, product may form: unburnt hydrocarbons, oxides of nitrogen, oxides of sulphur, carbon monoxide

Protective equipment: Do not breath vapors. Wear self-contained breathing apparatus

6 Accidental release measures

Personal precautions: Ensure adequate ventilation. Avoid contact with eyes and skin. See also section 8.

Measures for environmental protection: Do not allow larger quantities to enter the sewage system / ground / soil. Inform responsible authorities after accidental conduction of larger quantities.

Measures for cleaning / collecting: If possible ventilate the area. Remove from surface with a cloth or mechanically. Place in suitable containers. Disposal according to section 13.

7 Handling and storage

Handling
Information for safe handling:
Use in well ventilated areas. Observe the usual precautionary measures for handling chemicals. Wear suitable gloves if prolonged exposure is anticipated.

Precautions in case of fire and explosion: No special measures required.

Storage
Requirements to be met by storerooms and containers:
Provide sufficient ventilation. Floor must be resistant against solvents.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information on storage conditions: Store in a cool, dry, frost free place. Keep out of reach of children

8 Exposure controls and personal protection

Additional information on design of technical systems: Ensure adequate ventilation.

Components with critical values that require monitoring at the workplace:
The product contains white spirit which has an Occupational Exposure Limit of: MAK 500mg/m³ (Source: German TRGS)
(For monitoring exposure limits of ingredients of a preparation are only conditionally suitable)

General protective and hygienic measures:
Avoid contact with eyes and skin. Do not eat, drink or smoke during work.

Personal protective equipment
9 Physical and chemical properties

- Form: paste
- Colour: slightly red
- Odour: slightly ammonia

Safety-relevant data
- Flash point: 51.5°C
- pH-value (as is): 9.5 – 11.5

Other data
- Density (g/ml): 1.13 -1.17
- Solubility in water: dispersible, emulsifiable
- Viscosity: 60,000 – 90,000 cps (20°C)
- Kinematic viscosity: >7x10^-6 m²/sec (40°C)

10 Stability and reactivity

Thermal decomposition / Conditions to avoid:
Stable under normal conditions. Avoid temperatures exceeding 50°C.

Hazardous reactions:
Avoid contact with strong oxidizing agents

Hazardous decomposition products:
No decomposition if used under normal conditions. See section 5 for combustion products.

11 Toxicological information

This product contains white spirit and kerosene for which the following apply:

Inhalation: Vapour concentrations above recommended exposure limits are irritating to the eyes and respiratory tract, may cause headache and dizziness, are anaesthetic and may have other central nervous system effects.

Skin contact: Low order of toxicity, frequent or prolonged contact may cause dermatitis.

Eye contact: Irritating but does not injure eye issue.

Ingestion: Minimal toxicity. The viscosity of this preparation mitigates the risk of aspiration into the respiratory system during ingestion or vomiting.

12 Ecological information

This product contains 10-20% of white spirit which is highly volatile and will rapidly evaporate to the air if released into the environment. Based upon data for similar materials white spirit is classified as R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
13 Disposal considerations

Product 
Recommendation: Dispose of in accordance with all applicable local and national regulations.
Waste No.: 20 01 29
Uncleaned packaging 
Recommendation: in accordance with local and national regulations

14 Transport information

Not classified as hazardous for international transport by land, sea or air.

15 Regulatory information

Classification and labelling according to EC directives
Symbol: Xi
Classification: Irritant

R-phrases: 
R38: Irritating to skin
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrases: 
S2: Keep out of the reach of children
S24: Avoid contact with skin
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S28: After contact with skin, wash immediately with plenty of water
S46: If swallowed, seek medical advice immediately and show this container or label

National regulations
For the distribution or handling please comply with the national (regional) regulations or any other national measures that may be relevant.

For additional information please observe the German version of the present Safety Data Sheet.
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16 Other information

List of relevant R-phrases in section 2:

R10: Flammable
R34: Causes burns
R38: Irritating to skin
R50: Very toxic to aquatic organisms
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65: Harmful: May cause lung damage if swallowed
R66: Repeated exposure may cause skin dryness or cracking
R67: Vapours may cause drowsiness and dizziness

Additional information
The information provided in this Safety Data Sheet is correct to our best knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

HAPPICH Fahrzeug- und Industrieteile GmbH

i.V. Joaquin Borge Sanchez i.V. Andreas Hain
(Export Manager) (Sales Manager)