Section 1: Identification of the substance or mixture and the company

1.1. Product Identifier

Name: #53-000100 Wenol metal polish

1.2 Relevant applications of the material and uses advised against

Cleaning of metal surfaces

1.3. Company details

Vof Micro to Nano
Wateringweg 79
2031EK Haarlem
Netherlands
Tel: +31(0)85-2013155
E: info@microtonano.com

1.4 Emergency telephone number

+31(0)85-2013155 (office hours) Vof Micro to Nano, Netherlands

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Physical: Flammable liquid, category 2
Highly flammable liquid and vapour

Health: Aspiration irritation, category 1
Skin corrosion/irritation category 2
Eye irritation, category 2
Causes serious eye irritation
May cause genetics defect, category 1B
May cause cancer, category 1B

Environment: Not classified
Other hazards: None
Classification according to Regulation EC Nr. 1272/2008

| F: FLAMMABLE |
| Xi: Irritant |
| Xn: Harmful |

Health:
- R36: Irritating to eyes
- R38: Irritating to skin
- R40 (3): Limited evidence of carcinogenic effect
- R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation
- R63 (3): Possible risk of harm to the unborn child
- R67: Vapours may cause drowsiness and dizziness

Physical
- R11: Highly flammable

Environment:
- Not classified

Other hazards:
- Not classified

Classification according to 67/548/EEC of 1999/45/EC

Not applicable

2.2 Labeling elements

Hazard pictogramm(s):
- Flammable
- Corrosive
- Health hazard

Signal word: Danger

Hazard statement(s):
- H225: Flammable liquid and vapour
- H314: Causes skin irritation
- H319: Causes serious eye irritation
- H340: May cause genetic defects
- H350: May cause cancer
- H304: May be fatal if swallowed and enters airway

Precautionary statement(s)
Prevention:
- P101: If medical advice is needed, have product container or label at hand
- P102: Keep out of reach of children
- P103: Read label before use
- P233: Keep container tightly closed
- P280: Wear protective gloves/protective clothing/eye protection/face protection

Response:
- P301+P310: If swallowed: Immediately call a poison
center/doctor/physician/first aider
P08+P313: If exposed or concerned: Get medical attention
P331: Do NOT induce vomiting
P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses if easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical attention
P302+P352: If on skin: Wash with plenty of water and soap.
P362+P364: Take of contaminated clothing and wash before rescue

**Storage:**
P403+P35: Store in a well-ventilated place. Keep cool.
P405: Store locked up

**Disposal:**
P501: Dispose of contents/container in accordance with local/regional/
national/international regulations

**Supplemental hazard info:** None

### 2.3 Other hazards

Not applicable

### Section 3: Composition / information on components

#### 3.1. Substances

Name: #53-000200 EM-Tec bell jar polish for glass bell jars

#### 3.2 Mixtures

<table>
<thead>
<tr>
<th>Component</th>
<th>Symbol</th>
<th>EC Nr.</th>
<th>CAS Nr.</th>
<th>Approximate WT%</th>
</tr>
</thead>
<tbody>
<tr>
<td>White spirit 150/200N</td>
<td></td>
<td>265-185-4</td>
<td>64742-82-1</td>
<td>20</td>
</tr>
<tr>
<td>Ammonia, anhydrous</td>
<td>NH₃</td>
<td>231-635-3</td>
<td>7664-41-7</td>
<td>5</td>
</tr>
<tr>
<td>Kerosene</td>
<td></td>
<td>232-366-4</td>
<td>8008-20-6</td>
<td>20</td>
</tr>
<tr>
<td>Cocamide diethanolamine</td>
<td></td>
<td>271-657-0</td>
<td>68603-42-9</td>
<td>15</td>
</tr>
<tr>
<td>Aluminium oxide</td>
<td>Al₂O₃</td>
<td>215-691-6</td>
<td>1344-28-1</td>
<td>35</td>
</tr>
</tbody>
</table>
Section 4: First aid measures

4.1. Description of first aid measures

Contact with eyes: Rinse cautiously with water for several minutes. If possible, remove contact lenses. Continue rinsing.
Contact with skin: Wash with water and soap. Seek medical attention if irritation persists.
Inhalation: Fresh air, keep warm and at rest. Seek medical attention if ill effects occur.
Ingestion: If swallowed, do not induce vomiting. Seek immediate medical advice.

4.2. Important symptoms and effects, either immediate or delayed

Inhalation: Inhalation may irritate nose, throat and lungs.
Ingestion: May cause nausea, vomiting, stomach and diarrhea.
Skin contact: Prolonged contact may cause skin irritation.
Eye contact: Irritating to eyes.

4.3. Indication of any immediate medical attention and special treatment

General advise: If you feel unwell, seek medical advice; show product label if possible. If symptoms persist, always call a doctor.

Section 5: Firefighting Measures

5.1. Extinguishing media

Dry foam, carbon dioxide, dry chemical or water spray and sand.

5.2 Special hazards arising from the substance or mixture

Carbon dioxide, carbon monoxide, nitrogen oxide, sulfur oxide, unburned hydrocarbons.

5.3 Advice to firefighters

Wear self-contained breathing apparatus.
Wear full protective suit.
Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Wear protective equipment
- Keep unprotected persons away
- Ensure adequate ventilation

6.2 Environmental precautions

- Do not allow to enter public sewers and waterways

6.3 Methods and material for containment and clean up

- Quantities under 5 liters may be mopped up with a cloth

6.4 Reference to other sections

- For further information see section 7, 8 and 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

- Avoid breathing dust
- Provide adequate ventilation
- Only use small amounts
- Use with cleaning wipes

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed, in a cool, well ventilated place
- Keep away from hot surfaces
- Keep out of reach of children

7.3 Specific end uses(s)

- Not required
Section 8: Exposure control and personal protection

8.1. Control parameters

Occupational exposure limits (OEL)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Material Name</th>
<th>Source</th>
<th>TWA</th>
<th>STEL</th>
<th>Peak</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>White spirit</td>
<td>Not specified</td>
<td>EU</td>
<td>100 mg/m³</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Ammonia</td>
<td>Not specified</td>
<td>EU</td>
<td>25ppm</td>
<td>35ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kerosene</td>
<td>Not specified</td>
<td>EU</td>
<td>200</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cocamide ethan.</td>
<td>Not specified</td>
<td>EU</td>
<td></td>
<td>Not available</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Aluminium oxide</td>
<td>as dust</td>
<td>EU</td>
<td>1</td>
<td></td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Control procedures:
- Avoid creating dust
- Only use small amounts
- Wash hands before breaks and at the end of the work
- Maintain appropriate working environment

Personal protection:
- Protective work clothing

Inhalation:
- Use breathing protection with high concentrations

Hands and skin:
- Suitable gloves

Eyes:
- Wear safety goggles or full face protection

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Appearance/physical state: Paste
- Colour: Pink to red
- Odour: Ammonia like
- pH: ~11.5
- Melting point/range: Not determined
- Boiling point/range: 221°C
- Flash point: Not applicable
Evaporation rate: Not applicable
Explosion limits: upper limit: Not determined
lower limit: Not determined
Vapour pressure: 2Hpa
Relative density: 1.15 g/cm3 @ 20°C
Solubility in water: 100%
Auto-ignition: Not determined
Viscosity: Not determined

9.2 Other information
None

Section 10: Stability and reactivity

10.1 Reactivity
No hazardous reactions known if used for its intended purposes

10.2 Chemical stability
Stable under recommended storage conditions

10.3 Possibility of hazardous reactions
None known

10.4 Conditions to avoid
Avoid hot surfaces

10.5 Incompatible materials
Strong oxidising agents

10.6 Hazardous decomposition products
Carbon dioxide, carbon monoxide
Section 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure:

- **Inhalation:** May cause irritation
- **Skin contact:** May cause irritation
- **Eye contact:** Irritant, caustic effect
- **Sensitisation:** No sensitising effects known
- **Carcinogenicity:** This product contains white spirit which is classified as carcinogenic

Toxicological data LD/LD50 values

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Toxicity</th>
<th>Irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component toxicity test</td>
<td>Oral (rat) LD50: 350mg/kg</td>
<td>Not available</td>
</tr>
<tr>
<td></td>
<td>Inhalation (rat) LC50/4h: 2000mg/l</td>
<td></td>
</tr>
</tbody>
</table>

Section 12: Ecological information

12.1. Aquatic toxicity

This product contain white spirit which is toxic to aquatic organisms. Water hazard class 2.

12.2 Persistence and degradability

Highly volatile, rapidly evaporates and can degrade rapidly in air

12.3 Bio-accumulative potential

No information available

12.4 Mobility in soil

Non-significant adsorption
12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Hazardous decomposition products

No information available

Section 13: Disposal considerations

13.1. Waste treatment methods

Product: This material and its container must be disposed of in a safe way. Do not discharge into drains or the environment, dispose to an authorised waste collection point.
National regulations: Disposal should be in accordance with local, state or national legislation.

Section 14: Transport information

14.1. UN number

UN-number: N/A

14.2 UN proper shipping name

Proper shipping name: N/A

14.3 Transport hazard class(es)

Class: N/A
ADR/RID-Classification code: N/A

14.4 Packing group

Packing: N/A
14.5 Incompatible materials

ADR/RID- Environmentally hazardous: N/A
IMDG-Marine pollutant: N/A
IATA/ICAO-Environmentally hazardous: N/A

14.6 Special precautions for user

ADR/RID-Tunnelcode: N/A
IMDG-Ems: N/A
IATA/ICAO-PAX: N/A
IATA/ICAO-CAO: N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not applicable

Section 15: Regulatory information

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

TSCA: All components are listed

15.2 Chemical safety assessment

No information available

Section 16: Other information

This product should be stored, handled and used in accordance with good industrial hygiene practices and in accordance with any legal regulation. The information contained herewith is based on the present state of our knowledge and is intended to describe the product from the point of view of safety requirements. It does not guarantee any specific properties. It is the responsibility of the user to query and verify any information seeming suspect or where doubt on the validity may exist. The buyer assumes all responsibility of using and handling the product in accordance with local, state, federal and international regulations.