1.1 Product identifier
- Trade name: Cetomacrogol Emulsifying Wax Emulgade 1000 Ni
- Product Code: 100276
- Application of the substance / the mixture Cosmetic auxiliary

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: Fagron Inc
  2400 Pilot Knob Road
  St. Paul, MN 55120
  www.fagron.us
  QA@fagron.us

- Information department:
  Tel.: 800-423-6967
  Fax: 800-339-1596

1.4 Emergency telephone number:
- Emergency Telephone:
  US: 1-800-535-5053
  International: 1-352-323-3500

2 Hazard(s) 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 labeled according to the CLP regulation.
- Hazard pictograms GHS05
- Signal word Danger
- Hazard-determining components of labeling:
  PEG 1000
  Polyethyleneglycol cetyl/stearyl/ether
  Cetomacrogol 1000
- Hazard statements
  H318 Causes serious eye damage.
- Precautionary statements
  P280 Wear eye protection / face protection.
  P310 Immediately call a POISON CENTER/doctor.
  P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Classification system:
- NFPA ratings (scale 0 - 4)
- HMIS-ratings (scale 0 - 4)
- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable
3 Composition/information on ingredients

3.2 Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:
  | CAS: 68439-49-6 | PEG 1000 Polyethyleneglycol cetyl/stearyl/ether | Cetomacrogol 1000 | Eye Dam. 1, H318 | Acute Tox. 4, H302 | 10-25% |

4 First-aid measures

4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: 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.

5 Fire-fighting measures

5.1 Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters
- Protective equipment: No special measures required.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.

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

6.3 Methods and material for containment and cleaning up:
Use neutralizing agent. Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections
No dangerous substances are released. See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
Trade name: Cetomacrogol Emulsifying Wax
Emulgade 1000 NI

- Protective Action Criteria for Chemicals

- PAC-1:
  - 68439-49-6 PEG 1000 Polyethyleneglycol cetyl/stearyl/ether Cetomacrogol 1000
  - 3.8 mg/m³

- PAC-2:
  - 68439-49-6 PEG 1000 Polyethyleneglycol cetyl/stearyl/ether Cetomacrogol 1000
  - 42 mg/m³

- PAC-3:
  - 68439-49-6 PEG 1000 Polyethyleneglycol cetyl/stearyl/ether Cetomacrogol 1000
  - 250 mg/m³

7 Handling and storage

- 7.1 Precautions for safe handling: Thorough dedusting.
- Information about protection against explosions and fires: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and receptacles: No special requirements.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- 7.3 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.
- 8.1 Control parameters
  - Components with limit values that require monitoring at the workplace:
    The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - Additional information: The lists that were valid during the creation were used as basis.
- 8.2 Exposure controls
  - Personal protective equipment:
    - General protective and hygienic measures:
      Keep away from foodstuffs, beverages and feed.
      Immediately remove all soiled and contaminated clothing.
      Wash hands before breaks and at the end of work.
      Avoid contact with the eyes.
      Avoid contact with the eyes and skin.
    - Breathing equipment: Fresh air mask

(Contd. on page 4)
Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

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 application.

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

<table>
<thead>
<tr>
<th>9.1 Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Information</td>
</tr>
<tr>
<td>Appearance:</td>
</tr>
<tr>
<td>Form: Solid</td>
</tr>
<tr>
<td>Color: White</td>
</tr>
<tr>
<td>Odor: Odorless</td>
</tr>
<tr>
<td>Odor threshold: Not determined.</td>
</tr>
<tr>
<td>pH-value: Not applicable.</td>
</tr>
<tr>
<td>Change in condition</td>
</tr>
<tr>
<td>Melting point/Melting range: Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range: Undetermined.</td>
</tr>
<tr>
<td>Flash point: Not applicable.</td>
</tr>
<tr>
<td>Flammability (solid, gaseous): Not determined.</td>
</tr>
<tr>
<td>Ignition temperature: 405 °C (761 °F)</td>
</tr>
<tr>
<td>Decomposition temperature: Not determined.</td>
</tr>
<tr>
<td>Auto igniting: Product is not selfigniting.</td>
</tr>
<tr>
<td>Danger of explosion: Product does not present an explosion hazard.</td>
</tr>
</tbody>
</table>
Safety Data Sheet
acc. to OSHA HCS

Trade name: Cetomacrogl Emulsifying Wax
Emulgade 1000 NI

9.2 Other information
No further relevant information available.

10 Stability and reactivity

10.1 Reactivity
No further relevant information available.

10.2 Chemical stability

10.3 Possibility of hazardous reactions
No dangerous reactions known.

10.4 Conditions to avoid
No further relevant information available.

10.5 Incompatible materials
No further relevant information available.

10.6 Hazardous decomposition products
No dangerous decomposition products known.

11 Toxicological information

11.1 Information on toxicological effects
Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:

<table>
<thead>
<tr>
<th>68439-49-6 PEG 1000</th>
<th>Oral</th>
<th>LD50</th>
<th>5300 mg/kg (Rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene glycol cetyl-stearyl/ether Cetomacrogl 1000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Primary irritant effect:
- on the skin: Based on available data, the classification criteria are not met.
- on the eye: Causes serious eye damage.
Safety Data Sheet
acc. to OSHA HCS

Trade name: Cetomacroglol Emulsifying Wax
Emulgrade 1000 NI

- Sensitization: Based on available data, the classification criteria are not met.
- Additional toxicological information:
- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    None of the ingredients is listed.
  - NTP (National Toxicology Program)
    None of the ingredients is listed.
  - OSHA-Ca (Occupational Safety & Health Administration)
    None of the ingredients is listed.

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 2 (Self-assessment): hazardous for water
    Do not allow product to reach ground water, water course or sewage system.
    Must not reach bodies of water or drainage ditch undiluted or unneutralized.
    Danger to drinking water if even small quantities leak into the ground.
- 12.5 Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

13 Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation:
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
  - Uncleaned packagings:
    - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- 14.1 UN-Number
  - DOT
  - ADR, ADN, IMDG, IATA
    - NA3077
    - Void

(Contd. on page 7)

USA
### 14.2 UN proper shipping name
- **DOT**: Environmentally hazardous substances, solid, n.o.s. (PEG 1000 Polyethyleneglycol cetyl/stearyl/ether Cetomacrogol 1000)
- **ADR, ADN, IMDG, IATA**: Void

### 14.3 Transport hazard class(es)
- **DOT**
  - **Class**: 9
  - **Label**: Miscellaneous dangerous substances and articles

### 14.4 Packing group
- **DOT**: III
- **ADR, IMDG, IATA**: Void

### 14.5 Environmental hazards:
- **Marine pollutant**: No
  - **Yes (DOT)**: Yes

### 14.6 Special precautions for user
- **Stowage Category**: Not applicable.
- **A**

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
- **Not applicable.**

### Transport/Additional information:
- **DOT**
- **Remarks**: Special marking with the symbol (fish and tree).

### 15 Regulatory information
- **15.2 Chemical safety assessment**: A Chemical Safety Assessment has not been carried out.

### 16 Other information
(Contd. on page 8)
This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the Company’s knowledge. However, the information is provided without any representation or warranty, expressed or implied regarding its accuracy or correctness. The Company cannot assume responsibility for adverse events which may occur in the use and/or misuse of this product and expressly disclaims liability for loss, damage and/or expense arising out of or in any way connected with the handling, storage, use and/or disposal of this product.

- **Relevant phrases**
  - H302 Harmful if swallowed.
  - H318 Causes serious eye damage.

- **Department issuing SDS:**
  - Fagron US
  - Quality Assurance

- **Contact:** QA@fagron.us

- **Date of preparation / last revision:** 08/27/2018 / 5

- **Abbreviations and acronyms:**
  - 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
  - DOT: US Department of Transportation
  - 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)
  - NFPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - VOC: Volatile Organic Compounds (USA, EU)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - OSHA: Occupational Safety & Health
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - Acute Tox. 4: Acute toxicity – Category 4
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1

- * Data compared to the previous version altered.