1 Identification

· Product identifier
  · Trade name: Biomor cleaner and deodorizer
  · Article number: 2268257001, 2268277001
  · Recommended use Carpets and fabrics cleaner and deodorizer
  · Restrictions on use All other uses than those indicated on the product label and technical data sheet.

· Details of the supplier of the safety data sheet
  · Manufacturer: Avmor Ltd.
    950, Michelin
    Laval, QC,
    Canada
    H7L 5C1
    1-800-387-8074
    www.avmor.com
    info@avmor.com
  · Client Identification Number 119100
  · Emergency telephone number: CANUTEC 1-613-996-6666

2 Hazard(s) identification

· Classification of the product:
  ⚠️ GHS07
  Eye Irrit. 2A H319 Causes serious eye irritation.

· Label elements
  · Hazard pictograms:
    ⚠️ GHS07

· Signal word: Warning
· Hazard statements: H319 Causes serious eye irritation.
· Precautionary statements
  P280 Wear eye or face protection equipment.
  P264 Wash thoroughly after handling.
  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P337+P313 If eye irritation persists: Get medical attention.

(Contd. on page 2)
Trade name: Biomor cleaner and deodorizer

3 Composition/information on ingredients

- Classification system:
  - NFPA ratings (scale 0 - 4)
    - Health = 1
    - Fire = 0
    - Reactivity = 0

- Hazard not otherwise classified: None
- Notes: For the wording of the listed abbreviations refer to section 16.

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component</th>
<th>(% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>68131-39-5</td>
<td>Alcohols, C12-15, ethoxylated</td>
<td>1-%2.5%</td>
</tr>
<tr>
<td>68439-46-3</td>
<td>Alcohols, C9-C11, ethoxylated</td>
<td>1-%2.5%</td>
</tr>
</tbody>
</table>

4 First-aid measures

- General information:
  - After inhalation: Rarely cause discomfort; supply fresh air and consult doctor in case of complaints.
  - After skin contact: May induce a skin irritation.
  - After eye contact:
    - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - After ingestion:
    - If symptoms persist consult a doctor.
- Information for doctor:
  - Most important symptoms and effects, both acute and delayed
    - No further relevant information available.

5 Fire-fighting measures

- Suitable extinguishing media
  - CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Specific hazards arising from the product
  - In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (COx) and nitrogen dioxide (NOx).
- Advice for firefighters
  - No special measures required.
- Special protective equipment and precautions for fire-fighters
  - This product is not flammable.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  - Wear recommended protective equipment(s). Keep unprotected persons away.
Trade name: **Biomor cleaner and deodorizer**

- **Environmental precautions:**
  Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:**
  Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**
    Ensure good ventilation at the workplace. Prevent formation of aerosols.
  - **Conditions for safe storage, including any incompatibilities**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
- **Specific end use(s)**
  No further relevant information available.

### 8 Exposure controls/personal protection

- **Appropriate engineering controls**
  Ensure appropriate aeration and ventilation.
- **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.
- **Exposure controls**
  - **Personal protective equipment:**
    - Tightly sealed goggles
  - **General protective and hygienic measures:**
    Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes.
  - **Breathing equipment:** Not required.
  - **Protection of hands:** Not required.
  - **Eye protection:** Tightly sealed goggles
  - **Body protection:** No special measures required.
9 Physical and chemical properties

<table>
<thead>
<tr>
<th>Information on basic physical and chemical properties</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>General Information</td>
<td></td>
</tr>
<tr>
<td>Appearance:</td>
<td></td>
</tr>
<tr>
<td>· Form: Liquid</td>
<td></td>
</tr>
<tr>
<td>· Colour: Yellowish</td>
<td></td>
</tr>
<tr>
<td>· Odour: Perfumed</td>
<td></td>
</tr>
<tr>
<td>· Odour threshold: Not determined.</td>
<td></td>
</tr>
<tr>
<td>pH-value at 25 °C:</td>
<td>7.0-8.0</td>
</tr>
<tr>
<td>Change in condition</td>
<td></td>
</tr>
<tr>
<td>· Melting point/Melting range: Undetermined.</td>
<td></td>
</tr>
<tr>
<td>· Boiling point/Boiling range: 100 °C</td>
<td></td>
</tr>
<tr>
<td>Flash point:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Flammability (solid, gaseous): Not applicable.</td>
<td></td>
</tr>
<tr>
<td>Ignition temperature:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Auto igniting:</td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td>Danger of explosion:</td>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>Explosion limits:</td>
<td></td>
</tr>
<tr>
<td>· Lower: Not determined.</td>
<td></td>
</tr>
<tr>
<td>· Upper: Not determined.</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure at 20 °C:</td>
<td>23 hPa</td>
</tr>
<tr>
<td>Density at 25 °C:</td>
<td>1.000-1020 g/cm³</td>
</tr>
<tr>
<td>· Relative density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>· Vapour density (air=1)</td>
<td>&lt;1 (aqueous solution)</td>
</tr>
<tr>
<td>· Evaporation rate</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Solubility in / Miscibility with</td>
<td></td>
</tr>
<tr>
<td>· Water: Fully miscible</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water): Not determined.</td>
<td></td>
</tr>
<tr>
<td>Viscosity:</td>
<td></td>
</tr>
<tr>
<td>· Dynamic: Not determined.</td>
<td></td>
</tr>
<tr>
<td>Solvent content:</td>
<td></td>
</tr>
<tr>
<td>· Organic solvents: 0.0 %</td>
<td></td>
</tr>
</tbody>
</table>

10 Stability and reactivity

| Reactivity                                             | Not determined. |
| Chemical stability                                     |   |
| Thermal decomposition / conditions to be avoided:      | No decomposition if used according to specifications. |
| Possibility of hazardous reactions                    | No dangerous reactions known. |
Trade name: Biomor cleaner and deodorizer

- **Conditions to avoid**: Avoid freezing and extreme heat conditions.
- **Incompatible materials**: This product may react with strong oxidizing agents.
- **Hazardous decomposition products**: In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

### 11 Toxicological information

- **Information on the likely routes of exposure**: Skin and eyes contact
  - **Acute toxicity**:
    - **Numerical measures of toxicity**
      - **Components**
        - **Type**
        - **Value (Species)**

<table>
<thead>
<tr>
<th>Mean of exposure</th>
<th>ATE (Acute Toxicity Estimates)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
</tr>
<tr>
<td>Inhalative</td>
<td>LC50 (4 h)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>68131-39-5 Alcohols, C12-15, ethoxylated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
</tr>
<tr>
<td>Dermal</td>
</tr>
<tr>
<td>Inhalative</td>
</tr>
<tr>
<td>Irritation of skin</td>
</tr>
<tr>
<td>Irritation of eyes</td>
</tr>
<tr>
<td>Sensitization</td>
</tr>
</tbody>
</table>

- **Symptoms related to the physical, chemical and toxicological characteristics**
  - **by inhalation**:
    - Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis, and unconsciousness.
  - **If on the skin**: May cause irritation by prolonged contact with skin.
  - **If on the eye**: Irritating effect.
  - **after ingestion**: May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
  - **Sensitization**: No sensitizing effects known.

- **Delayed and immediate effects, and chronic effects from short-term and long-term exposure**
  Prolonged or frequent contact can cause eczema and inflammation of the skin as a results of degreasing.

- **Additional toxicological information**:
  The product shows the following dangers according to internally approved calculation methods for preparations:
  - Irritant
  - Carcinogenic categories

- **IARC (International Agency for Research on Cancer)**
  None of the ingredients is listed.
Trade name: Biomor cleaner and deodorizer

12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:**
    - 68131-39-5 Alcohols, C12-15, ethoxylated
      - EC50 (48 h, OECD guideline 202) 0.23 mg/L (daphnia magna [water flea])
      - EC50 (72 h, OECD guideline 201) (static) 0.75 mg/L (pseudokirchnerella subcapitata)
      - LC50 (96 h, OECD guideline 203) 1.3-1.7 mg/L (oncorhynchus mykiss [rainbow trout])
      - NOEC (21 d, ASTM 1988) 0.77 mg/L (daphnia magna [water flea])
      - NOEC (30 d, OECD directive 204) (dynamic) 0.11-0.28 mg/L (pimephales promelas [fathead minnow])
  - **Persistence and degradability**
    - Organic compounds of this product are readily biodegradable according to the OECD Guideline 301.
  - **Behavior in environmental systems:**
    - **Bioaccumulative potential** Does not accumulate in organisms
    - **Mobility in soil** No further relevant information available.
  - **Ecotoxicity** No relevant information available

- **General notes:**
  - Do not allow product to reach ground water, water course or sewage system.
  - Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.

- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water.

14 Transport information

- **DOT, ADN, IMDG, IATA** Not regulated.
- **UN proper shipping name**
  - **DOT** Not regulated.
- **Transport hazard class(es)**
  - **Class** Not regulated.
Trade name: Biomor cleaner and deodorizer

- **Packing group**
  - **DOT** Not regulated.

- **Environmental hazards:**
  - **Marine pollutant:** No

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

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **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.
  - **Chemicals known to cause developmental toxicity:** None of the ingredients is listed.
  - **EPA (Environmental Protection Agency)** None of the ingredients is listed.
  - **TLV (Threshold Limit Value established by ACGIH)** None of the ingredients is listed.
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)** None of the ingredients is listed.

### 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.

- **Date of creation/last revision:** 04/27/2015
- **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
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - 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)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A