1 Identification

· Product identifier
  · Trade name: **Biomor Odour Eliminator**

  · Article number: 2283210001, 2283210002
  · 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 Odour Eliminator**

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

<table>
<thead>
<tr>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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

### 3 Composition/information on ingredients

- **Dangerous components:**

<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>≤2.5%</td>
</tr>
<tr>
<td>68439-46-3</td>
<td>Alcohols, C9-C11, ethoxylated</td>
<td>≤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**
  - **Special protective equipment and precautions for fire-fighters** No special measures required.
- **Additional information**
  - 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 Odour Eliminator

- **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.
  - **Conditions for safe storage, including any incompatibilities**
    - Keep in the original receptacle tightly sealed.
  - **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.
Trade name: **Biomor Odour Eliminator**

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:** Fluid
    - **Form:** Fluid
    - **Colour:** Yellowish.
    - **Odour:** Yellowish.
    - **Odour threshold:** Not determined.
  - **pH-value at 25 °C:** 7.0-8.0
- **Change in condition**
  - **Melting point/Melting range:** Undetermined.
  - **Boiling point/Boiling range:** 100 °C
  - **Flash point:** Not determined.
  - **Flammaribility (solid, gaseous):** Not applicable.
  - **Ignition temperature:** Not determined.
  - **Decomposition temperature:** Not determined.
  - **Auto igniting:** Product is not selfigniting.
  - **Danger of explosion:** Product does not present an explosion hazard.
  - **Explosion limits:**
    - **Lower:** Not determined.
    - **Upper:** Not determined.
  - **Vapour pressure at 20 °C:** 23 hPa
  - **Density at 25 °C:** 1.000-1.020 g/cm³
    - **Relative density:** Not determined.
    - **Vapour density (air=1):** <1 (aqueous solution)
    - **Evaporation rate:** Not determined.
  - **Solubility in / Miscibility with**
    - **Water:** Fully miscible.
  - **Partition coefficient (n-octanol/water):** Not determined.
  - **Viscosity:**
    - **Dynamic:** Not determined.
  - **Solvent content:** Organic solvents: 0.0 %

### 10 Stability and reactivity

- **Reactivity** Not determined.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**
    No decomposition if used according to specifications.
Trade name: **Biomor Odour Eliminator**

- **Possibility of hazardous reactions** No dangerous reactions known.
- **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**
        - **Mean of exposure**
          - **Type**
          - **Value (Species)**
          - **ATE (Acute Toxicity Estimates)**
            - Oral: LD50 137800 mg/kg (rat)
            - Dermal: LD50 66890 mg/kg
            - Inhalative: LC50 (4 h) 80.4 mg/L (rat)
          - **68131-39-5 Alcohols, C12-15, ethoxylated**
            - Oral: LD50 >5000 mg/kg (rat)
            - Dermal: LD50 >2000 mg/kg (rat)
            - Inhalative: LC50 (4 h) >1.6 mg/L (rat)
            - Irritation of skin OECD guideline 404 Not classified. (rabbit)
            - Irritation of eyes OECD, guideline 405 cat. 1 (rabbit)
            - Sensitization OECD, guideline 406 Not classified. (guinea pig)

- **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 skins 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.
12 Ecological information

· **Toxicity**

  · **Aquatic toxicity:**

    | Substance | EC50/EC50/NOEC/LC50 | Test Conditions |
    |------------|----------------------|-----------------|
    | 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 Odour Eliminator

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: 05/21/2015
- 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