1 Identification

· Product identifier
  · Trade name: Biomor A.S.A.P. Floor Degreaser

  · Article number: 2270257001, 2270277001, 2270332001
  · Recommended use: Floor Degreaser
  · 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:
  
  ![GHS05](image)

  Eye Dam. 1 H318 Causes serious eye damage.

· Label elements
  · Hazard pictograms:
    ![GHS05](image)

· Signal word: Danger

· Hazard-determining components of labeling:
  Alcohols, C12-15, ethoxylated

· Hazard statements:
  H318 Causes serious eye damage.

· Precautionary statements
  P280 Wear eye or face protection equipment.
  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P310 Immediately call a poison center or a doctor.

(Contd. on page 2)
Trade name: **Biomor A.S.A.P. Floor Degreaser**

- **Classification system:**
  - NFPA ratings (scale 0 - 4)
    - Health = 2
    - Fire = 0
    - Reactivity = 0

- **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>
</tr>
</thead>
<tbody>
<tr>
<td>68131-39-5</td>
<td>Alcohols, C12-15, ethoxylated</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. Remove contact lenses, if present and easy to do so. Continue rinsing for a minimum of 15 to 60 minutes. Then consult a doctor.
  - **After ingestion:** If symptoms persist consult a doctor.

- **Information for doctor:**
  - Most important symptoms and effects, both acute and delayed
    Contact can cause pain, redness, burns, and even blistering. Burns may not be immediately painful; onset of pain may be delayed minutes to hours. Permanent damage including blindness can result after prolonged contact with eyes.

### 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.
Trade name: *Biomor A.S.A.P. Floor Degreaser*

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  Wear recommended protective equipment(s). Keep unprotected persons away.
- **Environmental precautions:** No special measures required.
- **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** None.

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.
  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

- **Information on basic physical and chemical properties**
  - **General Information**
  - **Appearance:** Fluid
  - **Form:** Fluid
  - **Colour:** Colorless
  - **Odour:** Odourless
  - **Odour threshold:** Not determined
  - **pH-value at 25 °C:** 8.0-9.0
  - **Change in condition**
    - **Melting point/Melting range:** Undetermined
    - **Boiling point/Boiling range:** 100 °C
  - **Flash point:** Not determined
  - **Flammability (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
- **Possibility of hazardous reactions** No dangerous reactions known
11 Toxicological information

· Information on the likely routes of exposure
  Skin and eyes contact
  · Acute toxicity:
    · Numerical mesure of toxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value (Species)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean of exposure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>50000 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td>Inhalative LC50 (4 h)</td>
<td>40 mg/L (rat)</td>
<td></td>
</tr>
</tbody>
</table>

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: Strong irritant with the danger of severe eye injury.
  · 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:**
    - 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:** Not known to be hazardous to water.

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** Not regulated.
- **IATA** UN3082

- **UN proper shipping name**
  - **DOT** Not regulated.

- **Transport hazard class(es)**
  - **Class** Not regulated.

- **Packing group**
  - **DOT** Not regulated.
Trade name: Biomor A.S.A.P. Floor Degreaser

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: 05/06/2015
- 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 Dam. 1: Serious eye damage/eye irritation, Hazard Category 1