1 Identification

· Product identifier
  · Trade name: **Biomor Urinal Pucks**

· Article number: 2130854001
· Recommended use Urinal pucks
· 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]

  Skin Irrit. 2  H315  Causes skin irritation.
  Eye Irrit. 2A H319  Causes serious eye irritation.

· Label elements
  · Hazard pictograms:

  ![GHS07]

  · Signal word: Warning
  · Hazard statements:
    H315 Causes skin irritation.
    H319 Causes serious eye irritation.
  · Precautionary statements
    P280  Wear protective gloves and eye or face protection.
    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.
    P321  Specific treatment (see on this label).
    P337+P313  If eye irritation persists: Get medical attention.
Trade name: **Biomor Urinal Pucks**

40.2.6

- **P302+P352** If on skin: Wash with plenty of water.
- **P332+P313** If skin irritation occurs: Get medical attention.
- **P362+P364** Take off contaminated clothing and wash it before reuse.

**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.

**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>497-19-8</td>
<td>sodium carbonate</td>
<td>10-&lt;25%</td>
</tr>
<tr>
<td>61789-31-9</td>
<td>Fatty acids, coco, sodium salts</td>
<td>3-&lt;10%</td>
</tr>
<tr>
<td>8052-48-0</td>
<td>Fatty acids, tallow, sodium salts</td>
<td>3-&lt;10%</td>
</tr>
<tr>
<td>68140-00-1</td>
<td>Coconut fatty acid monoethanolamide</td>
<td>3-&lt;10%</td>
</tr>
<tr>
<td>25155-30-0</td>
<td>Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts</td>
<td>2.5-&lt;3%</td>
</tr>
</tbody>
</table>

**4 First-aid measures**

- **General information:**
  - **After inhalation:** In case of unconsciousness place patient stably in side position for transportation. Get medical attention.
  - **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
  - **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**
  - **Suitable extinguishing media**
    - CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Trade name: Biomor Urinal Pucks

· 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.
· 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.
## 40.2.6 Exposure controls

- **Personal protective equipment:**
  - Tightly sealed goggles
  - Protective gloves

- **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:** Protective gloves
  - **Eye protection:** Tightly sealed goggles
  - **Body protection:** Protective work clothing

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- **General Information**
  - **Appearance:**
    - Form: Solid
    - Colour: Blue
    - Odour: Apple.
    - Odour threshold: Not determined.
  - **pH-value:** Not determined.

- **Change in condition**
  - **Melting point/Melting range:** Undetermined.
  - **Boiling point/Boiling range:** Undetermined.

- **Flash point:** Not determined.

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:**
  - **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.
Trade name: **Biomor Urinal Pucks**

| · Upper: | Not determined. |
| · Vapour pressure: | Not determined. |
| · Density: | Non applicable |
| · Relative density | Not determined. |
| · Vapour density (air=1) | Not determined. |
| · Evaporation rate | Not determined. |
| · Solubility in / Miscibility with Water: | Fully miscible. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | Not determined. |
| · 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.
  - **Conditions to avoid** No further relevant information available.
  - **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**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value (Species)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean of exposure</td>
<td>ATE (Acute Toxicity Estimates)</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>LD50</td>
<td>15369 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td>13423 mg/kg</td>
</tr>
<tr>
<td>Inhalative</td>
<td>LC50 (4 h)</td>
<td>19167 mg/L (rat)</td>
</tr>
</tbody>
</table>

- **Symptoms related to the physical, chemical and toxicological characteristics**
  - by inhalation: Not applicable
  - if on the skin: Irritant to skin and mucous membranes.
  - if on the eye: Irritating effect.
  - after ingestion: May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
Trade name: **Biomor Urinal Pucks**

- **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.
    - **NTP (National Toxicology Program)**
      None of the ingredients is listed.

**12 Ecological information**

- **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:**
  - Germany: Water hazard class 3 (Self-assessment): extremely hazardous for water.
  - Germany: Do not allow product to reach ground water, water course or sewage system, even in small quantities.
  - Germany: Danger to drinking water if even extremely 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.
Trade name: Biomor Urinal Pucks

| · Transport hazard class(es) | Not regulated. |
| · Class                     |                |
| · Packing group             | Not regulated. |
| · DOT                      |                |
| · 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: 05/15/2015

· 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
Trade name: *Biomor Urinal Pucks*

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

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