1 Identification

- **Product identifier**
  - **Trade name:** *EP74 Bowl, Urinal and Porcelain Cleaner*
  - **Article number:** 2068210001, 20682778001
  - **Recommended use** Toilet bowl and urinal cleaners
  - **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](image)
  - Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
  - **Hazard pictograms:**
    - ![GHS07](image)

- **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: **EP74 Bowl, Urinal and Porcelain Cleaner**

**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**:
  - **CAS**
  - **Component**
  - **(% w/w)**
  - 77-92-9 Citric acid 10-<25%
  - 68991-48-0 Alcohols, C7-21, ethoxylated 0.3-<1%

### 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**
  - **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.
Safety Data Sheet
acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915, 1926

Trade name: **EP74 Bowl, Urinal and Porcelain Cleaner**

- **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
    - 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
## Trade name: EP74 Bowl, Urinal and Porcelain Cleaner

- **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><strong>General Information</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
<td>Fluid</td>
</tr>
<tr>
<td><strong>Form:</strong></td>
<td>Fluid</td>
</tr>
<tr>
<td><strong>Colour:</strong></td>
<td>Blue</td>
</tr>
<tr>
<td><strong>Odour:</strong></td>
<td>Odourless</td>
</tr>
<tr>
<td><strong>Odour threshold:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>pH-value at 25 °C:</strong></td>
<td>1.5-2.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Change in condition</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Melting point/Melting range:</strong></td>
<td>Undetermined</td>
</tr>
<tr>
<td><strong>Boiling point/Boiling range:</strong></td>
<td>100 °C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flash point:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>&gt; 94 °C</strong></td>
<td></td>
</tr>
</tbody>
</table>

| Flammability (solid, gaseous):                        | Not applicable |

| Ignition temperature:                                 | 1010 °C |

| 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:                                     | 1.080-1.100 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 at 20 °C:                                    | 3500 mPas |

| Solvent content:                                     |  |
| Organic solvents:                                    | 0.0 % |
10 Stability and reactivity

- Reactivity: The product is acidic.
- Chemical stability:
  - Thermal decomposition / conditions to be avoided:
    - No decomposition if used according to specifications.
- Possibility of hazardous reactions: Reacts with alkali.
- 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)
      Mean of exposure

<table>
<thead>
<tr>
<th></th>
<th>Type</th>
<th>Value (Species)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal LD50</td>
<td></td>
<td>333333 mg/kg (rabbit)</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 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)
    - 2353-45-9 IC vert aliments 3
  - 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:
  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

<table>
<thead>
<tr>
<th>DOT, ADN, IMDG, IATA</th>
<th>Not regulated.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Not regulated.</td>
</tr>
<tr>
<td>DOT</td>
<td></td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>Not regulated.</td>
</tr>
<tr>
<td>Class</td>
<td></td>
</tr>
<tr>
<td>Packing group</td>
<td>Not regulated.</td>
</tr>
<tr>
<td>DOT</td>
<td></td>
</tr>
<tr>
<td>Environmental hazards:</td>
<td></td>
</tr>
<tr>
<td>Marine pollutant:</td>
<td>No</td>
</tr>
<tr>
<td>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

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.
Trade name: **EP74 Bowl, Urinal and Porcelain Cleaner**

40.2.6

- **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:** 04/28/2015
- **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