1 Identification

· Product identifier
  · Trade name: **EP60 Metalon Stainless Steel Cleaner Polish**

  · Article number: 2307210001, 2307278001
  · Recommended use Stainless Steel Cleaner Polish
  · 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, C12-16, 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: **EP60 Metalon Stainless Steel Cleaner Polish**

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>68551-12-2</td>
<td>Alcohols, C12-16, ethoxylated</td>
<td>3-10%</td>
</tr>
<tr>
<td>108-32-7</td>
<td>Propylene carbonate</td>
<td>3-10%</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: **EP60 Metalon Stainless Steel Cleaner Polish**

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### 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.

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### 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.
  
- **Specific end use(s)**: No further relevant information available.

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### 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
Trade name: **EP60 Metalon Stainless Steel Cleaner Polish**

- **Body protection:** No special measures required.

### 9 Physical and chemical properties

**Information on basic physical and chemical properties**

- **General Information**
  - **Appearance:**
    - **Form:** Fluid
    - **Colour:** White
  - **Odour:** Citrus.
  - **Odour threshold:** Not determined.
- **pH-value at 25 °C:** 5.0-7.0
- **Change in condition**
  - **Melting point/Melting range:** Undetermined.
  - **Boiling point/Boiling range:** 100 °C
- **Flash point:** > 94 °C
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 430 °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:** 1.000-1.030 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:** 6.0 %

### 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: 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 |
      | ATE (Acute Toxicity Estimates) | |
      | Oral | LD50 | 25000 mg/kg (rat) |
      | Dermal | LD50 | 12728 mg/kg |
      | Inhalative | LC50 (4 h) | 2800 mg/L (rat) |
  · 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 result 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.
Trade name: **EP60 Metalon Stainless Steel Cleaner Polish**

- **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 packaging**
  - **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.
- **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.
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 Dam. 1: Serious eye damage/eye irritation, Hazard Category 1