

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

1 Identification

- **Product identifier**
 - Trade name: ***EP74 Bowl, Urinal and Porcelain Cleaner***
 - **Article number:** 2068210001, 2068278001
 - **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
 - **Client Identification Number** 119100
 - **Emergency telephone number:** CANUTEC 1-613-996-6666

2 Hazard(s) identification

- **Classification of the product:**



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.

(Contd. on page 2)

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

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

(Contd. of page 1)

P337+P313 IF EYE IRRITATION PERSISTS: Get medical attention.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **Hazard not otherwise classified** None

· **Notes:** For the wording of the listed abbreviations refer to section 16.

3 Composition/information on ingredients

· **Dangerous components:**

C A S
(% w/w)

C o m p o n e n t

| | | |
|------------|----------------------------|---------|
| 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 (CO_x) and nitrogen dioxide (NO_x).

· **Advice for firefighters**

· **Special protective equipment and precautions for fire-fighters** No special measures required.

· **Additional information** This product is not flammable.

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(Contd. on page 3)

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

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

(Contd. of page 2)

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear recommended protective equipment(s). Keep unprotected persons away.
- **Environmental precautions:** 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.

(Contd. on page 4)

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

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

(Contd. of page 3)

- **Protection of hands:** Protective gloves
- **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:

· **Form:** Liquid

· **Colour:** Blue

· **Odour:** Odourless.

· **Odour threshold:** Not determined.

· **pH-value at 25 °C:** 1.5-2.5

· 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:** 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 %

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(Contd. on page 5)

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

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

(Contd. of page 4)

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 Mean of exposure | Type | Value (Species) |
|---------------------------------------|------|--------------------|
| ATE (Acute Toxicity Estimates) | | |
| Dermal | LD50 | 250000 mg/kg (rat) |

- **Symptomes 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 | 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.

(Contd. on page 6)

Safety Data Sheet
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,
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Trade name: ***EP74 Bowl, Urinal and Porcelain Cleaner***

(Contd. of page 5)

- **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. |
| · 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. |

(Contd. on page 7)

Safety Data Sheet
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,
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Trade name: ***EP74 Bowl, Urinal and Porcelain Cleaner***

(Contd. of page 6)

· **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