

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

## 1 Identification

- **Product identifier**
  - Trade name: ***Biomor cleaner and deodorizer***
  - **Article number:** 2268257001, 2268277001
  - **Recommended use** Carpets and fabrics cleaner and deodorizer
  - **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:**



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.  
P337+P313              If eye irritation persists: Get medical attention.

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- **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:**

C A S  
(% w/w)

C o m p o n e n t

	C A S (% w/w)	C o m p o n e n t
68131-39-5	Alcohols, C12-15, ethoxylated	1-≤2.5%
68439-46-3	Alcohols, C9-C11, ethoxylated	1-≤2.5%

### **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**  
CO<sub>2</sub>, 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<sub>x</sub>) and nitrogen dioxide (NO<sub>x</sub>).
- **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.

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- **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

- **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:** Not required.
- **Eye protection:** Tightly sealed goggles
- **Body protection:** No special measures required.

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### 9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
· Form:	Liquid
· Colour:	Yellowish.
· Odour:	Perfumed.
· Odour threshold:	Not determined.
· pH-value at 25 °C:	7.0-8.0
· 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:	1.000-1020 g/cm <sup>3</sup>
· 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.

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- **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)
<b>ATE (Acute Toxicity Estimates)</b>		
Oral	LD50	137800 mg/kg (rat)
Dermal	LD50	66890 mg/kg
Inhalative	LC50 (4 h)	80.4 mg/L (rat)

**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)

- **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)**

None of the ingredients is listed.

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· **NTP (National Toxicology Program)**

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:**

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.

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- |  |                 |
|--|-----------------|
| · <b>Packing group</b><br>· <b>DOT</b>   | Not regulated.  |
| · <b>Environmental hazards:</b><br>· <b>Marine pollutant:</b>                    | No              |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | 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:** 04/27/2015

- **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