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Printing date 10/09/2018  
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# Safety Data Sheet

according to HPR, Schedule 1

## 1 Identification

- **Product name:** EP50 ECOPURE
- **Other means of identification (Article number):** 2135
- **DIN:** EP50 ECOPURE 02340321 or EP50 Av-Mixx Cleaner Disinfectant 02340305 or Avmor Manu-Mixx Cleaner Disinfectant 02438410
- **Recommended use:** Disinfectant hard surfaces
- **Restrictions on use:** All other uses than those indicated on the product label and technical data sheet
- **Uses advised against:** All other uses than those indicated on the product label and technical data sheet.
- **Manufacturer:**  
Avmor LTD  
950, Michelin  
Laval, QC, H7L 5C1  
Canada  
1-800-387-8074  
[www.avmor.com](http://www.avmor.com)
- **Emergency telephone number:** CANUTEC 1-613-996-6666

## 2 Hazard identification

- **Classification of the product as sold:**

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Additional information:**

This product is registered as a drug according to the Food and Drugs Act (R.S.C., 1985, c. F-27). It is not regulated under the Hazardous Products Act (R.S.C., 1985, ch. H-3). The following information is provided to our customers for their training and safety programs.

- **Label elements**

- **Hazard pictograms:**



GHS07

- **Signal word:** Warning

- **Hazard statements:**

Causes serious eye irritation.

May cause an allergic skin reaction.

- **Precautionary statements:**

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

Wear protective gloves.

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If on skin: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see on this label).

If eye irritation persists: Get medical advice/attention.

Dispose of contents and container in accordance with local, regional and national regulations.

**Classification system****NFPA ratings (scale 0 - 4):**

Health = 2

Fire = 0

Reactivity = 0

**Hazard not otherwise classified:** None Known**Notes:** For the wording of the listed abbreviations refer to section 16.**Product AT USE DILUTION:** N/A

## 3 Composition/Information on ingredients

**Chemical characterization: Mixtures****Description:** Aqueous mixture consisting of the following components:**Components:**

No.	Cas	Designation
		Concentration(%)
7722-84-1	Hydrogen peroxide	1-5% *
26264-05-1	Dodécylbenzènesulfonate d'isopropylamine	1-5% *
8008-57-9	Orange oil	1-5% *
68131-39-5	Alcohols (C12-15) Ethoxylated	1-5% *

\* Actual concentration ranges are withheld as a trade secret.

**Additional information:** Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## 4 First aid measures

**Description of first aid measures****After inhalation:**

In case of unconsciousness place patient stably in side position for transportation. Get medical attention.

**After skin contact:**

Remove immediately all contaminated clothing. Rinse skin with water or shower for at least 15 minutes. Consult a doctor if skin redness and irritation persist.

**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.**Most important symptoms and effects, both acute and delayed:** No further relevant information available.

## 5 Firefighting measures

**Suitable extinguishing media:**CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.

Use fire fighting measures that suit the environment.

**Specific hazards arising from the product:** No further relevant information available.

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- **Special protective equipment and precautions for fire-fighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

- **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:** No special measures required.

- **Methods and material for containment and cleaning up:**

Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

- **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

- **Precautions for safe handling:** Ensure good ventilation at the workplace.

- **Information about protection against explosions and fires:** No special measures required.

- **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

- **Components with limit values that require monitoring at the workplace:**

**7722-84-1 Hydrogen peroxide**

EL	Long-term value: 1 ppm
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EV	Long-term value: 1.4 mg/m <sup>3</sup> , 1 ppm
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- **Exposure controls:**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

- **Undiluted Product**

- **Personal protective equipment:**



Protective gloves (See Protection of Hands)



Safety glasses (Suggested)

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### · General protective and hygienic measures:

Avoid contact with the eyes and skin.

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

### · Breathing equipment: Not required.

### · Protection of hands:

Protective Gloves

Check protective gloves prior to each use for their proper condition

### · Eye protection:

Safety glasses (suggested)

Protective glasses are recommended when handling concentrated product.

Safety glasses are suggested when using this product in heavy use and institutional environments

### · Body protection:

Not required.

### · Product AT USE DILUTION:

· Eye protection: Safety glasses suggested under normal use conditions.

## 9 Physical and chemical properties

· Form:	Liquid
· Colour:	Light yellow
· Odour:	Agrume/orange
· Odor threshold:	Not determined
· pH-Value:	3.0-5.8
· pH Value (diluted product):	
Melting point/Freezing point:	Not determined
Boiling point/Boiling range:	N/D
Fusion temperature / range:	Not determined
· 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:	Not determined.
· Relative density:	0.985-1.025
· Vapour density (air=1):	<1 (aqueous solution)
· Evaporation rate:	Not determined
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.

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- Partition coefficient (n-octanol/water): Not determined

- Solvent content:

VOC content: N/D

## 10 Stability and reactivity

- Reactivity: Not determined.
- Chemical stability: The product is stable.
- 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: No further relevant information available.
- 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

- Numerical measures of acute toxicity:

Components	Type	Value (Species)
<b>Mean of exposure</b>		
<b>ATE (Acute Toxicity Estimate)</b>		
Oral	LD50	13,267 mg/kg (Rat)
Dermal	LD50	>35,897 mg/kg (Rat)
Inhalative	LC50 (4 h)	>50,346 mg/L (Rat)

### 7722-84-1 Hydrogen peroxide

Oral	LD50	806 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50 (4 h)	>2,000 mg/L (Rat)

### 26264-05-1 Dodécylbenzènesulfonate d'isopropylamine

Oral	LD50	760 mg/kg (Rat)
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### 68131-39-5 Alcohols (C12-15) Ethoxylated

Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Irritation of skin	OECD guideline 404	(Rabbit)
Irritation of eyes	OECD, guideline 405	~1 (Rabbit)
Sensitization	OECD, guideline 406	(guinea pig)

- Symptoms related to the physical, chemical and toxicological characteristics

- 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: Sensitization possible through skin contact.
- 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 skin as a result of degreasing.

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### · Carcinogenic categories:

#### · IARC (International Agency for Research on Cancer)

7722-84-1	Hydrogen peroxide	3
67-63-0	Propan-2-ol	3

#### · NTP (National Toxicology Program)

None of the ingredients is listed.

## 12 Ecological information

- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: Not determined
- Ecotoxicity: No relevant information available.
- Other adverse effects No further relevant information available.

## 13 Disposal considerations

### · Waste treatment methods recommendation:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with local authority requirements.

Dispose in accordance with all applicable federal, state, provincial and local laws and regulations. Contact your local, state, provincial or Federal environmental agency for specific rules.

### · Uncleaned packagings recommendation:

Do not re-use empty containers.

Dispose of packaging according to regulations on the disposal of packagings.

### · Recommended cleansing agent:

Water

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## 14 Transport information

### · UN-Number

### · DOT, IMDG, IATA

Not regulated.

### · UN proper shipping name

Not regulated.

### · DOT, IMDG, IATA

Not regulated.

### · Transport hazard class(es)

### · DOT, IMDG, IATA

Not regulated.

### · Class

Not regulated.

### · Packing group

Not regulated.

### · DOT, IMDG, IATA

Not regulated.

### · Special precautions for user

Not applicable.

### · UN "Model Regulation":

Not regulated.

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## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Canadian substance listings

- Canadian Domestic Substances List (DSL)

All ingredients are listed.

- Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

- Canadian Ingredient Disclosure list (limit 1%)

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. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

- Department issuing SDS:

Prepared by :

Regulatory Affairs Department

- Contact: For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

- Date of the latest revision of the safety data sheet 10/09/2018 / 1