



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

1 Identification

· Product identifier

· Trade name: *EP50 Cleaner Disinfectant*

· Article number: 2135278001, 2135257001

· Recommended use: Hard surface cleaner and disinfectant

· 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:

This product is registered as a drug. It is not regulated under the Hazardous Products Act (R.S.C., 1985, ch. H-3).



GHS07

Eye Irrit. 2A H319 CAUSES SERIOUS EYE IRRITATION.

Skin Sens. 1 H317 MAY CAUSE AN ALLERGIC SKIN REACTION.

· Label elements:

· Hazard pictograms:



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- **Signal word:** Warning
- **Hazard statements:**
 - H319 CAUSES SERIOUS EYE IRRITATION.
 - H317 MAY CAUSE AN ALLERGIC SKIN REACTION.
- **Precautionary statements:**
 - P261 Avoid breathing dust, fume, gas, mist, vapors or spray.
 - P264 Wash thoroughly after handling.
 - P272 Contaminated work clothing must not be allowed out of the workplace.
 - P280 Wear protective gloves and eye or face protection.
 - 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.
 - P302+P352 IF ON SKIN: Wash with plenty of water.
 - P333+P313 IF SKIN IRRITATION OR RASH OCCURS: Get medical attention.
 - P362+P364 Take off contaminated clothing and wash it before reuse.
 - P501 Dispose of contents and container in accordance with local, regional and national regulations.

· **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)
7722-84-1	Hydrogen peroxide Ox. Liq. 2, H272; Acute Tox. 3, H311; Skin Corr. 1A, H314; Acute Tox. 4, H302; Eye Irrit. 2A, H319; STOT SE 3, H335	2.5-<5%
26264-05-1	Dodécylbenzènesulfonate d'isopropylamine Acute Tox. 4, H302	0.1-<2.5%

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8008-57-9	Orange oil Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317	1-≤2.5%
68131-39-5	Alcohols C12-15 Ethoxylated Eye Dam. 1, H318; Skin Irrit. 2, H315	0.1-≤2.5%

4 First-aid measures

- **General information:**
- **After inhalation:**
In case of unconsciousness place patient stably in side position for transportation. Get medical attention.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **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 oxides (NO_x).
- **Advice for firefighters:**
 - **Special protective equipment and precautions for fire-fighters:** No special measures required.
- **Additional information:**
This product is not flammable.
See -Section 9- for the flammability characteristics of this product.

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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:** 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.
- **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:** No further data; see item 7.

- **Control parameters:**

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

7722-84-1 Hydrogen peroxide

EL (Canada) | Long-term value: 1 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.

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· **Exposure controls:**

· **Personal protective equipment:**



Safety goggles



Protective gloves

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

· **Protection of hands:**

Protective gloves.

Check protective gloves prior to each use for their proper condition.

· **Eye protection:** Safety goggles.

· **Body protection:**

Protective work clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. (recommended)

9 Physical and chemical properties

· **Information on basic physical and chemical properties:**

· **General Information:**

· **Appearance:**

· **Form:** Liquid

· **Colour:** Light yellow

· **Odour:**

Agrume/orange.

· **Odor threshold:**

Not determined.

· **pH-value at 25 °C:**

3.0 - 5.8

· **Change in condition:**

· **Melting point/Melting range:** Undetermined.

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· 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:	Not determined.
· Density at 25 °C:	0.985 - 1.025 g/cm ³
· 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:	1,8 %

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.

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• **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)		
Oral	LD50	7444 mg/kg (Rat)
Dermal	LD50	19181 mg/kg (Rat)
Inhalative	LC50 (4 h)	50346 mg/L (Rat)

7722-84-1 Hydrogen peroxide

Oral	LD50	1800 mg/kg (Mouse) 380 mg/kg (Rat)
Dermal	LD50	900 mg/kg (Rat)
Inhalative	LC50 (4 h)	>2000 mg/L (Rat)

26264-05-1 Dodécylbenzènesulfonate d'isopropylamine

Oral	LD50	760 mg/kg (Rat)
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8008-57-9 Orange oil

Oral	LD50	4750 mg/kg (Rat)
	LC50	6100 mg/L (Mouse)

68131-39-5 Alcohols C12-15 Ethoxylated

Oral	LD50	>5000 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (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:**

• **If on the skin:** May cause irritation by prolonged contact with skin.

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- **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 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.
 - **NTP (National Toxicology Program)**
None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

68131-39-5 Alcohols C12-15 Ethoxylated

LC50 (96 h, OECD guideline 203)	1.3-1.7 mg/L (oncorhynchus mykiss [rainbow trout])
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)
NOEC (30 d, OECD directive 204) (Dynamic)	>1 mg/L (pimephales promelas [fathead minnow])
NOEC (21 d, ASTM 1988)	0.77 mg/L (daphnia magna [water flea])

· **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

· **Remark:**

Toxic for fish

Harmful to fish

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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.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
Harmful to aquatic organisms

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:	Yes (P)
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

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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: 02/11/2016

- 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

P: Marine Pollutant

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

NIOSH: National Institute for Occupational Safety

Flam. Liq. 3: Flammable liquids, Hazard Category 3

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Ox. Liq. 2: Oxidising Liquids, Hazard Category 2
Acute Tox. 4: Acute toxicity, Hazard Category 4
Acute Tox. 3: Acute toxicity, Hazard Category 3
Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

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