

1 Identification

- . **Product identifier**
- . **Trade name: EP50 Nettoyant / Desinfectant RTU (1 in 12)**
- . **Article number:** 302135
- . **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
- . **Emergency telephone number:** CANUTEC 1-613-996-6666

2 Hazard(s) identification

- . **Classification of the product**



GHS07

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

- . **Label elements:**

- . **Signal word:** Warning

- . **Hazard statements:**

H317 May cause an allergic skin reaction.

- . **Precautionary statements:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/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.

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



- . **HMS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	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

- . **Components:**

CAS No.	Description	Concentration
8008-57-9	Orange oil	0.1-<1%

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.
- . **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:** No further relevant information available.
- . **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.

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.

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. Methods and material for containment and cleaning up:

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

7 Handling and storage

. Handling:**. Precautions for safe handling:** No special precautions are necessary if used correctly.**. 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.

8 Exposure controls/personal protection

. 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:**

Protective gloves (See Protection of Hands)



Safety glasses (see Eye protection)

. 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 close or long term contact with the skin.

. Breathing equipment: Not required.**. Protection of hands:**

Protective gloves.

Check protective gloves prior to each use for their proper condition

. Eye protection:

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

Wear splash-proof chemical goggles in an industrial environment.

. 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)

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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:	3.0 - 5.8

. 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
Not determined.**. 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:	0.1 %
VOC content:	0.1 %

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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:** 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
- . **Acute toxicity:**
- . **Numerical measures of toxicity:**

Components	Type	Value (Species)
Mean of exposure		
ATE (Acute Toxicity Estimates)		
Dermal	LD50	272961 mg/kg (Rat)
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.
- . **If on the eye:** No 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:**

- . **Carcinogenic categories:**

. IARC (International Agency for Research on Cancer)		
7722-84-1	Hydrogen peroxide	3

- . **NTP (National Toxicology Program)**

None of the ingredients is listed.

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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])

. **Behavior in environmental systems:**. **Bioaccumulative potential:** No further relevant information available.. **Mobility in soil:** No further relevant information available.. **Ecotoxicity:** No relevant information available.. **Remark:** Harmful to fish (Product as sold).. **General notes:** Harmful to aquatic organisms**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**. **DOT, ADN, IMDG, IATA**

Not regulated.

. **Transport hazard class(es)**. **DOT, IMDG, IATA**. **Class**

Not regulated.

. **Packing group**. **DOT, IMDG, IATA**

Not regulated.

. **Environmental hazards:**

Not applicable.

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- . 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.
. 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. 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

- . Date of creation/last revision: 08/03/2016

- . 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

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)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety