

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

1 Identification

- **Product identifier**
 - Trade name: ***EP65 General Purpose Cleaner Degreaser***
 - Article number: 1991257001, 1991278001, 1991334001, 1991382001
 - Recommended use General Purpose Cleaner Degreaser
 - 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:**



GHS07

Skin Irrit. 2 H315 CAUSES SKIN IRRITATION.

Eye Irrit. 2A H319 CAUSES SERIOUS EYE IRRITATION.

-
- **Label elements**

- **Hazard pictograms:**



GHS07

- **Signal word:** Warning
- **Hazard-determining components of labeling:**
Alcohols C7-21 Ethoxylated
- **Hazard statements:**
H315 CAUSES SKIN IRRITATION.
H319 CAUSES SERIOUS EYE IRRITATION.

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· **Precautionary statements**

- P280 Wear protective gloves and eye or face protection.
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.
P302+P352 IF ON SKIN : Wash with plenty of water.
P332+P313 IF SKIN IRRITATION OCCURS: Get medical attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

· **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

68991-48-0	Alcohols C7-21 Ethoxylated	10-<20%
7722-84-1	Hydrogen Peroxide	2.5-<3%
1310-73-2	Sodium Hydroxide	0.1-<0.3%

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.

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· **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 (COx) and nitrogen dioxide (NOx).

· **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.

· **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:**

7722-84-1 Hydrogen Peroxide

EL (Canada) Long-term value: 1 ppm

EV (Canada) Long-term value: 1.4 mg/m³, 1 ppm

1310-73-2 Sodium Hydroxide

EL (Canada) Ceiling limit value: 2 mg/m³

EV (Canada) Ceiling limit value: 2 mg/m³

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

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- 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.
- **Protection of hands:** Protective gloves
- **Eye protection:** Tightly sealed goggles
- **Body protection:** Protective work clothing

9 Physical and chemical properties

- Information on basic physical and chemical properties

- General Information

- Appearance:
 - Form: Liquid
 - Colour: Green
- Odour: Surfactant
- Odour threshold: Not determined.
- pH-value at 25 °C: 5.5-6.8
- 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: 235 °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.

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· Upper:	Not determined.
· Vapour pressure at 20 °C:	23 hPa
· Density at 25 °C:	1.000-1.024 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:	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.
- **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	Type	Value (Species)
Mean of exposure		
ATE (Acute Toxicity Estimates)		
Oral	LD50	28857 mg/kg (rat)
Dermal	LD50	12001 mg/kg
Inhalative	LC50 (4 h)	415 mg/L
68991-48-0 Alcohols C7-21 Ethoxylated		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50 (4 h)	>100 mg/L (rat)

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Irritation of skin	OECD guideline 404	cat. 3 (rabbit)
Irritation of eyes	OECD, guideline 405	cat. 2B (rabbit)
Sensitization	OECD, guideline 406	Not classified. (guinea pig)

· **Symptomes related to the physical, chemical and toxiological 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:** Irritant to skin and mucous membranes.

· **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)		
7722-84-1	Hydrogen Peroxide	3
· NTP (National Toxicology Program)		
None of the ingredients is listed.		

12 Ecological information

· **Toxicity**

· Aquatic toxicity:	
68991-48-0 Alcohols C7-21 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, OECD guideline 202)	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.

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Danger to drinking water if even small quantities leak into the ground.

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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.		
· 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)		
7722-84-1	Hydrogen Peroxide	A3

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· **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:** 06/01/2015

· **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

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

CA