

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

### **1 Identification**

- **Product identifier**
  - Trade name: ***EP67 HEAVY DUTY INDUSTRIAL DEGREASER***
  - **Article number:** 2105257001, 2105278001, 2105334001, 2105382001
  - **Recommended use** Industrial 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:**



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:**  
H319 CAUSES SERIOUS EYE IRRITATION.

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· **Precautionary statements**

- 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.
- P310 Immediately call a POISON CENTER or doctor

· **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%
497-19-8	Sodium Carbonate	2.5-<3%

### **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.

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- **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:**  
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.

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- **Eye protection:** Tightly sealed goggles
- **Body protection:** No special measures required.

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

##### · Appearance:

- **Form:** Liquid
- **Colour:** Colorless.
- **Odour:** Odourless.
- **Odour threshold:** Not determined.

· **pH-value at 25 °C:** 9.0-11.0

#### · 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:** 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.
- **Upper:** Not determined.

· **Vapour pressure at 20 °C:** 23 hPa

#### · Density at 25 °C:

- **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 %

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**10 Stability and reactivity**

- **Reactivity** The product is basic.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
 No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with acids.
- **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			
<b>ATE (Acute Toxicity Estimates)</b>			
Oral	LD50		136607 mg/kg (rat)
Dermal	LD50		14499 mg/kg
Inhalative	LC50 (4 h)		915 mg/L (rat)

- **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**

· <b>IARC (International Agency for Research on Cancer)</b>
None of the ingredients is listed.
· <b>NTP (National Toxicology Program)</b>
None of the ingredients is listed.

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### **12 Ecological information**

- **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.
· Packing group · DOT	Not regulated.
· Environmental hazards:	Not applicable.
· 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**

· <b>Chemicals known to cause cancer:</b>
None of the ingredients is listed.
· <b>Chemicals known to cause reproductive toxicity for females:</b>
None of the ingredients is listed.

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· **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:** 06/11/2015

· **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