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Printing date 04/21/2017
Reviewed on 04/21/2017

Safety Data Sheet

according to HPR, Schedule 1

1 Identification

- **Product name:** NATURA Heavy Duty Degreaser
- **Article number:** 2301390001, 2301334001, 2301278001
- **Recommended use:**
Industrial Degreaser.
Surface cleaning
- **Restrictions on use:** 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
- **Emergency telephone number:** CANUTEC 1-613-996-6666

2 Hazard identification

- **Classification of the product as sold:**
The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
- **Hazard pictograms:** Not classified.
- **Signal word:** Not classified.
- **Hazard statements:** Not classified.
- **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.

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- **Product AT USE DILUTION:** N/A

3 Composition/Information on ingredients

- **Chemical characterization:** Mixtures
- **Description:**
Aqueous solution with non-hazardous additions.
Mixture of the substances listed below with nonhazardous additions.

• Components:	
68991-48-0	Alcohols C7-21 Ethoxylated
	5-10%

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497-19-8	Sodium Carbonate	1-5%
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4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Rarely cause discomfort; supply fresh air and consult physician in case of complaints.
- **After skin contact:** 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.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

5 Firefighting measures

- **Suitable extinguishing media:**
CO₂, 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.
- **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:** Not required.
- **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).
- **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:** No special precautions are necessary if used correctly.
- **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:** None.
- **Specific end use(s):** No further relevant information available.

8 Exposure controls/ Personal protection

- **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.

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- **Undiluted Product**
- **Personal protective equipment:**



Safety glasses (See Eye protection)



Protective gloves (Suggested)

- **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.

- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves (suggested)

- **Eye protection:**

Safety glasses (suggested)

Protective glasses are recommended when handling concentrated product.

- **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)

- **Product AT USE DILUTION:**

- **Eye protection:** Safety glasses suggested under normal use conditions.

9 Physical and chemical properties

- | | |
|-----------------------------------------|-----------------------------------------------|
| · Form: | Liquid |
| · Colour: | Orange |
| · Odour: | Orange |
| · Odor threshold: | Not determined |
| · pH-Value: | 10.0-11.0 |
| · Melting point/Melting range: | Not determined |
| · Boiling point/Boiling range: | N/D |
| · Fusion temperature / range: | Not determined |
| · Flash point: | Not applicable. |
| · Flammability (solid, gaseous): | Not applicable |
| · Ignition temperature: | N/D |
| · 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: | N/D |
| · Relative density: | 1.025-1.045 |

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- **Vapour density (air=1):** <1 (aqueous solution)
- **Evaporation rate:** Not determined
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined
- **Solvent content:**
- **VOC content:** 0.0 g/l / 0.00 lb/gl

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 acids.
- **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**
- **Numerical measures of acute toxicity:**

Components	Type	Value (Species)
Mean of exposure		
ATE (Acute Toxicity Estimates)		
Oral	LD50	169627 mg/kg (Rat)
Dermal	LD50	20711 mg/kg
Inhalative	LC50 (4 h)	1360 mg/L (Rat)

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)
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)

497-19-8 Sodium Carbonate

Oral	LD50	4090 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rabbit)
Inhalative	LC50 (4 h)	2300 mg/L (Rat)

68647-72-3 Oranges Terpenes 95%

Oral	LD50	6100 mg/kg (Mouse) 4700 mg/kg (Rat)
Dermal	LD50	>5000 mg/kg (Rabbit)

- **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:** 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.

- **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

- **Persistence and degradability:**
The surfactants and organic compounds contained in this product are readily biodegradable according to the OECD 301 guideline.
- **Bioaccumulative potential:** Does not accumulate in organisms.
- **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:**
Smaller quantities can be disposed of with household waste.
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, IATA** Not regulated.
- **IMDG** UN3082
- **UN proper shipping name**
- **DOT, IATA** Not regulated.
- **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alcohols C7-C21 Ethoxylated, Orange oil, sweet terpenes), MARINE POLLUTANT

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- **Transport hazard class(es)**

- **DOT, IATA**

- **Class** Not regulated.

- **IMDG**

- **Class** 9 Miscellaneous dangerous substances and articles

- **Packing group**

- **DOT, IATA** Not regulated.

- **IMDG** III

15 Regulatory information

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

- **Canadian substance listings**

- **Canadian Domestic Substances List (DSL)** Not all the ingredients are listed

• Canadian Ingredient Disclosure list (limit 0.1%)
None of the ingredients is listed.

• Canadian Ingredient Disclosure list (limit 1%)
68991-48-0 Alcohols C7-21 Ethoxylated
497-19-8 Sodium Carbonate

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

- **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

P: Marine Pollutant

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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent