

## 1 Identification

- **Product Identifier:** CITRANET LAUNDRY POWDERED DETERGENT
- **Other means of identification (Article number):** 1982
- **Recommended use:** Laundry detergent
- **Restrictions on use:** All other uses than those indicated on the product label and technical 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 identification

- **Classification:**  
Eye Irritation - Category 2A H319 Causes serious eye irritation.
- **Label elements**
- **Hazard pictograms:**



GHS07

- **Signal word:** Warning
- **Hazard statements:**  
H319 Causes serious eye irritation.
- **Precautionary statements:**  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/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 advice/attention.
- **Hazard not otherwise classified:** None Known
- **Notes:** For the wording of the listed abbreviations refer to section 16.

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### 3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**
- **Components:**

C A S N O . %	Chemical name or Common name	
497-19-8	Sodium Carbonate	10-30% w/w *
9002-92-0	Dodecan-1-ol, ethoxylated	0,5-1,5% w/w *

\* Actual concentration ranges are withheld as a trade secret.

### 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:**  
Remove immediately all contaminated clothing. Rinse skin with water or shower for at least 15 minutes. Consult a doctor if skin redness and irritation persist.  
May induce a skin irritation.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
Rinse opened eye for several minutes under running water.
- **After ingestion:** If symptoms persist consult a doctor.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

### 5 Fire-fighting measures

- **Suitable extinguishing media:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.  
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** N/D
- **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.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**  
Wear recommended protective equipment(s). Keep unprotected persons away.
- **Methods and material for containment and cleaning up:** Pick up mechanically.

### 7 Handling and storage

- **Precautions for safe handling:** No special precautions are necessary if used correctly.
- **Conditions for safe storage, including any incompatibilities:** Keep in the original receptacle tightly sealed.

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## 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.

Not required.

**· Exposure controls:**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

**· Personal protective equipment:**

Safety goggles (see Eye protection)



Protective gloves (See Protection of Hands)

**· General protective and hygienic measures:**

Avoid contact with the eyes and skin.

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:**

No personal protective equipment required under normal use conditions.

Protective gloves are recommended when handling concentrated product.

**· Eye protection:**

No personal protective equipment required under normal use conditions.

Protective glasses are recommended when handling concentrated product.

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

**· Body protection:** No special measures required.

## 9 Physical and chemical properties

**· Appearance:**

**Form:**

Granulate

**Colour:**

White with blue crystals.

**· Odour:**

Citrus.

**· Odor threshold:**

Not determined

**· pH:**

10,5-11,1

**· Melting point/Freezing point:**

Not applicable.

**· Boiling point/Boiling range:**

N/D

**· Flash point:**

Not determined

**· Flammability (solid, gaseous):**

Not determined.

**· Decomposition temperature:**

Not determined

**· Auto igniting Temperature:**

Product is not selfigniting.

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- **Explosion limits:**
  - Lower:** Not determined.
  - Upper:** Not determined.
- **Vapour pressure:** Not applicable.
- **Relative density:** Not determined.
- **Vapour density (air=1):** Not applicable.
- **Evaporation rate:** Not applicable.
- **Solubility in / Miscibility with Water:** Slightly soluble
- **Partition coefficient (n-octanol/water):** Not determined

**10 Stability and reactivity**

- **Reactivity:** Not determined.  
No further relevant information available.
- **Chemical stability:** The product is stable.
- **Possibility of hazardous reactions:** Reacts with acids.
- **Conditions to avoid:** No further relevant information available.
- **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
- **Numerical measures of acute toxicity:**

Components		Type	Value (Species)
Mean of exposure			
ATE (Acute Toxicity Estimate)			
Oral	LD50	3.457 mg/kg	
Dermal	LD50	>9.985 mg/kg (Rabbit)	
Inhalative	LC50 (4 h)	11.483 mg/L (Rat)	
7647-14-5 Sodium Chloride			
Oral	LD50	3.550 mg/kg (Rat)	
497-19-8 Sodium Carbonate			
Oral	LD50	4.090 mg/kg (Rat)	
Dermal	LD50	>2.000 mg/kg (Rabbit)	
Inhalative	LC50 (4 h)	2.300 mg/L (Rat)	

- **Symptomes related to the physical, chemical and toxicological characteristics**
- **By inhalation:** Not applicable
- **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.

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- **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.

**12 Ecological information**

- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** Not determined
- **Ecotoxicity:** No relevant information available.
- **Remark:** See section 13- Disposal considérations.
- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods recommendation:**  
Do not allow product to reach sewage system unless significantly diluted or neutralized.  
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/TDG, IMDG, IATA** Not regulated.
- **UN proper shipping name**
- **DOT/TDG, IMDG, IATA** Not regulated.
- **Transport hazard class(es)**
- **DOT, IMDG, IATA**
- **Class** Not regulated.
- **Packing group**
- **DOT/TDG, IMDG, IATA** Not regulated.
- **Marine pollutant:** No

**15 Regulatory information**

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

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Canadian substance listings**

- **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

- **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

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· Canadian Ingredient Disclosure list (limit 1%)	
497-19-8	Sodium Carbonate
9002-92-0	Dodecan-1-ol, ethoxylated

**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.

**· NFPA ratings (scale 0 - 4):**

Health = 1  
Fire = 0  
Reactivity = 0

**· Department issuing SDS:**

Prepared by :

Regulatory Affairs Department

- **Contact:** For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.