

# SAFETY DATA SHEET


BIOVERT Laundry detergent

Creation date : August 08, 2023

## 1. IDENTIFICATION

<b>Trade name</b>	<b>BIOVERT LAUNDRY DETERGENT- Fresh cotton / Morning dew / Fragrance free</b>
<b>Other means of identification</b> (product code)	Vrac BVLSP
<b>Recommended use</b>	Laundry
<b>Restriction on use</b>	All other uses than those described on the product label and technical data sheet
<b>Initial supplier identifier</b>	Savons Prolav Inc. 525 rue Fernand Poitras Terrebonne, Québec, Canada, J6Y 1Y5 450-664-3889 Email: <a href="mailto:info@bio-vert.com">info@bio-vert.com</a>
<b>Emergency telephone number</b>	<b>Quebec poison control center: 1-800-463-5060</b>

## 2. HAZARD IDENTIFICATION

<b>Classification of the product</b>	Eye irritation- Category 2 Skin irritation- Category 3
<b>Symbols</b>	
<b>Signal word</b>	Warning.
<b>Hazard statements</b>	Causes serious eye irritation. Causes mild skin irritation.
<b>Precautionary statements</b>	
<b>Prevention</b>	Wash hands thoroughly after handling. Wear eye protection.
<b>Response</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.  If skin irritation occurs: Get medical attention.
<b>Storage</b>	Not applicable.
<b>Disposal</b>	Not applicable.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

List of ingredients present at a concentration above their threshold level:

Chemical name	CAS #	Concentration (Weight, %)
Lauryl ether, poly(oxyethylene) (Synonyme: Alcohol, C12-C16 ethoxylated)	68551-12-2	3 - 7
Sodium lauryl sulfate (Synonym: Sodium dodecyl sulfate)	151-21-3	3 - 7
Sodium carbonate (Synonyme: Soda ash)	497-19-8	3 - 7
(C12-C14) Alkyl D-Glucopyranoside, oligomeric	110615-47-9	1 - 5

\*The exact concentrations are retained as a trade secret.

### 4. FIRST AID MEASURES

Route of exposure	First-aid measures	Most important symptoms/effects, acute and delayed
Inhalation	No special requirements.	No symptoms are expected.
Skin	Wash off with water. Get medical attention if irritation develops and persists.	Mild irritation.
Eyes	Irrigate exposed eyes with copious amounts of tepid water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation persists.	Tearing, redness and burning sensation.
Ingestion	Rinse mouth with water. Call the Poison Control Center if symptoms occur or if a large amount does occur.	Information not available

### 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:** Adapt fire extinguishing measures to the surrounding environment.  
Carbon dioxide, chemical powder or appropriate foam

**Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products** Hazardous combustion products may include and are not limited to: oxides of carbon and sodium.

**Special protective equipment and precautions for firefighters** As in any fire, wear full protective clothing including self contained breathing apparatus.

**Other information** This product is not combustible.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Not applicable.  
For emergency responders Wear protective glasses.

**Environmental precautions** Prevent large spills from entering sewers or waterways.

**Methods and material for containment and cleaning up** For small quantities, dilute with plenty of water and landfill or dispose of in sanitary sewer, if permitted by local regulations. Collect large spills with absorbent material (sand, diatomaceous earth, universal binder, sawdust). Dispose of waste in accordance with

## section 13

**7. HANDLING AND STORAGE**

<b>Precautions for safe handling</b>	Wash hands after handling the concentrate. Wash soiled clothing before reuse.
<b>Condition for safe storage, including any incompatibilities</b>	Storage at temperature between 10°C-30°C. Do not freeze. Avoid high temperatures.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Occupational exposure limit</b>	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
<b>Appropriate engineering controls</b>	Not applicable.
<b>Individual protection measures</b>	Wear protective glasses. To avoid repeated or prolonged contact of the concentrated product with the skin, wear gloves and appropriate protective clothing such as coveralls or long-sleeved shirt, long pants, shoes and socks.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	Liquid
<b>Colour</b>	Colorless to slightly yellowish
<b>Odour</b>	Fresh cotton and morning dew: Characteristic of the fragrance Fragrance free: Characteristic of the ingredients
<b>Melting point and freezing point</b>	Data not available
<b>Boiling point or initial boiling point and boiling point range</b>	>100°C
<b>Flammability</b>	Non-flammable product
<b>Lower and upper explosion limit or lower and upper flammability limit</b>	Data not available
<b>Flash point</b>	Data not available.
<b>Auto-ignition temperature</b>	Data not available
<b>Decomposition temperature</b>	Data not available
<b>pH</b>	10.0 - 11.5 (25°C)
<b>Kinematic viscosity</b>	Data not available
<b>Solubility</b>	Data not available
<b>Partition coefficient – n-octanol/water (logarithmic value)</b>	Data not available
<b>Vapour pressure</b>	Data not available
<b>Density and relative density</b>	1.040 - 1.055
<b>Relative vapour density</b>	Data not available
<b>Particle characteristics</b>	Non applicable

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Data not available.
<b>Chemical stability</b>	This product is stable under normal condition of use, storage and transport.
<b>Possibility of hazardous reactions</b>	No dangerous reactions known.
<b>Conditions to avoid, including static discharge, shock or vibration</b>	Avoid freezing and extreme heat conditions.
<b>Incompatible materials</b>	Information not available.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known under conditions of normal use.

## 11. TOXICOLOGICAL INFORMATION

Experimental information relating to the toxicological properties of the products itself is not available.

### Information on the likely routes of exposure

Inhalation                       Skin                                       Eye                                       Ingestion

### Symptoms related to the physical, chemical and toxicological characteristics

#### Summary by routes of exposure:

<b>Skin</b>	Mild irritation.
<b>Eye</b>	Tearing, redness and burning sensation.
<b>Ingestion</b>	Information not available.

#### Information by hazard category:

**Acute toxicity**                                      Acute oral and dermal toxicity estimate: >5000 mg/kg  
Sodium lauryl sulfate                              Category 4- Acute oral toxicity  
(CAS#: 151-21-3)

#### Skin corrosion/irritation

Lauryl ether, poly(oxyethylene)                      Category 2- Skin irritation  
(CAS#: 68551-12-2)  
Sodium lauryl sulfate                                      Category 2- Skin irritation  
(CAS#: 151-21-3)

#### Serious eye damage/eye irritation

Lauryl ether, poly(oxyethylene)                      Category 2- Eye irritation  
(CAS#: 68551-12-2)  
Sodium lauryl sulfate                                      Category 2- Eye irritation  
(CAS#: 151-21-3)  
Sodium carbonate    Category 2- Eye irritation  
(CAS#: 497-19-8)  
(C12-C14) Alkyl D-  
Glucopyranoside, oligomeric                      Category 2- Eye irritation  
(CAS#: 110615-47-9)

**Respiratory or skin sensitization**                      Based on available ingredient data, criteria are not met.

**Germ cell mutagenicity**                                      Based on available ingredient data, criteria are not met.

**Carcinogenicity**    Based on available ingredient data, criteria are not met.

<b>Reproductive toxicity</b>	Based on available ingredient data, criteria are not met.
<b>Specific target organ toxicity- Single exposure</b>	Based on available ingredient data, criteria are not met.
<b>Specific target organ toxicity- Repeated exposure</b>	Based on available ingredient data, criteria are not met.
<b>Aspiration hazards</b>	Based on available ingredient data, criteria are not met.

**Delayed and immediate effects, and chronic effects from short-term and long-term exposure**  
Frequent or prolonged skin contact may cause dryness or irritation.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Data not available.
<b>Persistence and degradability</b>	More than 95% of the organic ingredients contained in the product are readily biodegradable and 1% are biodegradable according to the Organisation for Economic Cooperation and Development (OECD) 301 guidelines.
<b>Bioaccumulative potential</b>	Data not available
<b>Mobility in soil</b>	Data not available
<b>Other adverse effects</b>	Data not available.

## 13. DISPOSAL CONSIDERATIONS

**Information on safe handling for disposal and methods of disposal, including any contaminated packaging.**

Landfill or dispose of small quantities in sanitary sewers, if permitted by local regulations. Larger quantities should be disposed of in accordance with local authority standards. Rinse and recycle the bottle if local facilities permit.

## 14. TRANSPORT INFORMATION

This product is not classified as hazardous under the Transportation of Dangerous Goods (TDG) regulations.

## 15. REGULATORY INFORMATION

**Safety, health and environmental regulations, made within or outside Canada, specific to the product in question.**

This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations. The safety data sheet contains all the information required by the Hazardous Products Regulations. All components are listed on Canada's Domestic Substances List (DSL), as described by the Canadian Environmental Protection Act.

## 16. OTHER INFORMATION

**Publication date:** August 08, 2023.

**Revision date:** -

**Version:** 3.0

This safety data sheet summarizes, to the best of our knowledge, information on the health and safety risks of the product and general advice on how to handle the product safely in the workplace. Each user should evaluate and control the risks arising from his or her use of the product in the workplace, including in combination with other products, before use. This information is presented in good faith and is based on current data believed to be correct to the best of our knowledge.