



SAFETY DATA SHEET

BIOVERT Laundry detergent

Creation date : August 08, 2023

1. IDENTIFICATION

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

2. HAZARD IDENTIFICATION

Classification of the product	Eye irritation- Category 2 Skin irritation- Category 3
Symbols	
Signal word	Warning.
Hazard statements	Causes serious eye irritation. Causes mild skin irritation.
Precautionary statements	
Prevention	Wash hands thoroughly after handling. Wear eye protection.
Response	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.
Storage	Not applicable.
Disposal	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

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limit	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Appropriate engineering controls	Not applicable.
Individual protection measures	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

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

10. STABILITY AND REACTIVITY

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

Skin	Mild irritation.
Eye	Tearing, redness and burning sensation.
Ingestion	Information not available.

Information by hazard category:

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

Skin corrosion/irritation

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

Serious eye damage/eye irritation

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

Respiratory or skin sensitization	Based on available ingredient data, criteria are not met.
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Germ cell mutagenicity	Based on available ingredient data, criteria are not met.
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Carcinogenicity	Based on available ingredient data, criteria are not met.
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Reproductive toxicity	Based on available ingredient data, criteria are not met.
Specific target organ toxicity- Single exposure	Based on available ingredient data, criteria are not met.
Specific target organ toxicity- Repeated exposure	Based on available ingredient data, criteria are not met.
Aspiration hazards	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

Ecotoxicity	Data not available.
Persistence and degradability	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.
Bioaccumulative potential	Data not available
Mobility in soil	Data not available
Other adverse effects	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.