



# SAFETY DATA SHEET

BIOVERT Bathroom cleaner

Creation date : September 28, 2023

## 1. IDENTIFICATION

<b>Trade name</b>	<b>BIOVERT Bathroom cleaner</b>
<b>Other means of identification</b> (product code)	Vrac BVSDB
<b>Recommended use</b>	Bathroom, tile, toilet and bathtub cleaning.
<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>	Skin irritation- Category 3
<b>Symbols</b>	Not applicable.
<b>Signal word</b>	Warning.
<b>Hazard statements</b>	Causes mild skin irritation.
<b>Precautionary statements</b>	If skin irritation occurs: Get medical attention.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

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

Chemical name	CAS #	Concentration (Weight, %)
Citric acid	77-92-9	1 - 5
Cocamidopropyl betaïne (Synonyme: Cocoyl amide propyldimethyl glycine)	61789-40-0	0.5 – 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 persist.	Mild irritation.
Eyes	Rinse with water, also under the eyelids. Get medical attention if irritation develops and persist.	No symptoms are expected.
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

<b>Suitable extinguishing media:</b> Carbon dioxide, chemical powder or appropriate foam	Adapt fire extinguishing measures to the surrounding environment.
<b>Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products</b>	Hazardous combustion products may include and are not limited to: oxides of carbon and sodium.
<b>Special protective equipment and precautions for firefighters</b>	As in any fire, wear full protective clothing including self contained breathing apparatus.
<b>Other information</b>	This product is not combustible.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	
For non-emergency personnel	Not applicable.
For emergency responders	Not applicable.
<b>Environmental precautions</b>	Prevent large spills from entering sewers or waterways.
<b>Methods and material for containment and cleaning up</b>	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>	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
<b>Odour</b>	Characteristic of the fragrance
<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>	2.5 – 3.5 (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>	1.015 - 1.035
<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>	No symptoms are expected.
<b>Ingestion</b>	Information not available.

#### Information by hazard category:

**Acute toxicity**                                      Acute oral and dermal toxicity estimate: >5000 mg/kg

#### Skin corrosion/irritation

Cocamidopropyl betaine  
(CAS#: 61789-40-0)                                      Category 2- Skin irritation

#### Serious eye damage/eye irritation

Citric acid  
(CAS#: 77-92-9)                                      Based on available data, criteria are not met.  
Category 2- Eye irritation

Cocamidopropyl betaine  
(CAS#: 61789-40-0)                                      Category 2- Eye irritation

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

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

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

**Reproductive toxicity**                                      Based on available data, criteria are not met.

**Specific target organ toxicity- Single exposure**                                      Based on available data, criteria are not met.

**Specific target organ toxicity- Repeated exposure**                                      Based on available data, criteria are not met.

**Aspiration hazards**                                      Based on available data, criteria are not met.

### Delayed and immediate effects, and chronic effects from short-term and long-term exposure

May cause dry reddish, cracked skin (dermatitis) upon repeated skin contact.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Data not available.
<b>Persistence and degradability</b>	More than 86% of the organic ingredients contained in the product are readily 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:** September 28, 2023.

**Revision date:** -

**Version:** 2.1

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.