



Rosemary Phytobasic in BG

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 6/22/2023

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Rosemary Phytobasic in BG
Product code : 3330PBBG

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Bio-Botanica, Inc.
75 Commerce Drive
Hauppauge, NY, 11788
US
T (631) 231-5522 - F (631) 231 - 7332
sds@bio-botanica.com - www.bio-botanica.com

1.4. Emergency telephone number

Emergency number : +1-800-424-9300 / +1 703-527-3887

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labelling

No labelling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Water	CAS-No.: 7732-18-5	45 – 55	Not classified
Butylene Glycol	CAS-No.: 107-88-0	45 – 55	Not classified

Rosemary Phytobasic in BG

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Name	Product identifier	%	GHS US classification
Rosemary Leaf Extract	CAS-No.: 84604-14-8	1 – 5	Not classified
Phenoxyethanol	CAS-No.: 122-99-6	< 0.75	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation:vapour), H330 Eye Irrit. 2, H319
methyl 4-hydroxybenzoate	CAS-No.: 99-76-3	< 0.2	Not classified
ethyl 4-hydroxybenzoate	CAS-No.: 120-47-8	< 0.05	Not classified
butyl 4-hydroxybenzoate	CAS-No.: 94-26-8	< 0.05	Not classified
propylparaben	CAS-No.: 94-13-3	< 0.03	Not classified
ISOBUTYLPARABEN	CAS-No.: 4247-02-3	< 0.03	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

Rosemary Phytobasic in BG

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Rosemary Phytobasic in BG

No additional information available

Water (7732-18-5)

No additional information available

Butylene Glycol (107-88-0)

No additional information available

Rosemary Leaf Extract (84604-14-8)

No additional information available

propylparaben (94-13-3)

No additional information available

methyl 4-hydroxybenzoate (99-76-3)

No additional information available

ethyl 4-hydroxybenzoate (120-47-8)

No additional information available

butyl 4-hydroxybenzoate (94-26-8)

No additional information available

Rosemary Phytobasic in BG

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Phenoxyethanol (122-99-6)

No additional information available

ISOBUTYLPARABEN (4247-02-3)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear to cloudy, mobile liquid.
Colour	: Brown
Odour	: Herbal
Odour threshold	: No data available
pH	: 4.5 – 6.5
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available

Rosemary Phytobasic in BG

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Butylene Glycol (107-88-0)	
LD50 oral rat	22800 mg/kg bodyweight (Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 20000 mg/kg bodyweight (Rabbit, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	> 0.292 mg/l (Equivalent or similar to OECD 403, 8 h, Rat, Male, Experimental value, Inhalation (saturated vapour), 14 day(s))
ATE US (oral)	22800 mg/kg bodyweight
propylparaben (94-13-3)	
LD50 oral rat	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
Phenoxyethanol (122-99-6)	
LD50 oral rat	1850 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))

Rosemary Phytobasic in BG

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Phenoxyethanol (122-99-6)	
LD50 dermal rat	14391 mg/kg (24 h, Rat, Male / female, Dermal, 48 day(s))
LC50 inhalation rat (mg/l)	> 1 mg/l (OECD 412: Repeated Dose Inhalation Toxicity:28/14-Day, 6 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))
ATE US (oral)	1850 mg/kg bodyweight
ATE US (dermal)	14391 mg/kg bodyweight
ATE US (vapours)	0.5 mg/l/4h

Skin corrosion/irritation : Not classified
pH: 4.5 – 6.5

Butylene Glycol (107-88-0)	
pH	6.1 (50 %, 20 °C)

Phenoxyethanol (122-99-6)	
pH	No data available in the literature

Serious eye damage/irritation : Not classified
pH: 4.5 – 6.5

Butylene Glycol (107-88-0)	
pH	6.1 (50 %, 20 °C)

Phenoxyethanol (122-99-6)	
pH	No data available in the literature

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : No data available

Butylene Glycol (107-88-0)	
Viscosity, kinematic	131.83 mm²/s

Phenoxyethanol (122-99-6)	
Viscosity, kinematic	No data available in the literature

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Butylene Glycol (107-88-0)	
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Daphnia [1]	> 1000 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)

Rosemary Phytobasic in BG

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Butylene Glycol (107-88-0)	
ErC50 algae	> 1070 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, <i>Desmodesmus subspicatus</i> , Static system, Fresh water, Experimental value, GLP)
ethyl 4-hydroxybenzoate (120-47-8)	
LC50 - Fish [1]	15 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, <i>Danio rerio</i> , Static system, Fresh water, Experimental value)
EC50 - Daphnia [1]	10 – 20 mg/l (ISO 6341 15 Water quality - Determination of the Inhibition of the Mobility of <i>Daphnia magna</i> Straus (Cladocera, Crustaceae), 48 h, <i>Daphnia magna</i> , Fresh water, Experimental value)
ErC50 algae	37 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, <i>Pseudokirchneriella subcapitata</i> , Static system, Fresh water, Experimental value)
butyl 4-hydroxybenzoate (94-26-8)	
EC50 - Daphnia [1]	9.2 mg/l (OECD 202: <i>Daphnia</i> sp. Acute Immobilisation Test, 48 h, <i>Daphnia magna</i> , Static system, Fresh water, Experimental value)
ErC50 algae	9.5 mg/l (OECD 201: Alga, Growth Inhibition Test, 96 h, <i>Pseudokirchneriella subcapitata</i> , Static system, Fresh water, Experimental value, Growth rate)
Phenoxyethanol (122-99-6)	
LC50 - Fish [1]	220 – 460 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 h, <i>Leuciscus idus</i> , Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Daphnia [1]	> 500 mg/l (Equivalent or similar to OECD 202, 48 h, <i>Daphnia magna</i> , Static system, Fresh water, Experimental value, Behaviour)
ErC50 algae	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, <i>Desmodesmus subspicatus</i> , Static system, Fresh water, Experimental value, Nominal concentration)
12.2. Persistence and degradability	
Butylene Glycol (107-88-0)	
Persistence and degradability	Readily biodegradable in water.
ThOD	1.95 g O ₂ /g substance
propylparaben (94-13-3)	
Persistence and degradability	Biodegradability in water: no data available.
ThOD	2.04 g O ₂ /g substance
methyl 4-hydroxybenzoate (99-76-3)	
Persistence and degradability	Biodegradability in water: no data available.
ethyl 4-hydroxybenzoate (120-47-8)	
Persistence and degradability	Readily biodegradable in water.
butyl 4-hydroxybenzoate (94-26-8)	
Persistence and degradability	Readily biodegradable in water.
Phenoxyethanol (122-99-6)	
Persistence and degradability	Readily biodegradable in water.

Rosemary Phytobasic in BG

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.3. Bioaccumulative potential

Butylene Glycol (107-88-0)	
Partition coefficient n-octanol/water (Log Pow)	-0.9 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Not bioaccumulative.
propylparaben (94-13-3)	
Partition coefficient n-octanol/water (Log Pow)	3.04
methyl 4-hydroxybenzoate (99-76-3)	
Bioaccumulative potential	No bioaccumulation data available.
ethyl 4-hydroxybenzoate (120-47-8)	
Partition coefficient n-octanol/water (Log Pow)	2.34 (Practical experience/observation, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 37 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
butyl 4-hydroxybenzoate (94-26-8)	
Partition coefficient n-octanol/water (Log Pow)	3.57 (Practical experience/observation)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Phenoxyethanol (122-99-6)	
Partition coefficient n-octanol/water (Log Pow)	1.2 (Experimental value, EU Method A.8: Partition Coefficient, 23 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

Butylene Glycol (107-88-0)	
Surface tension	72.5 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.
ethyl 4-hydroxybenzoate (120-47-8)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.2 (log Koc, QSAR)
Ecology - soil	Low potential for adsorption in soil.
butyl 4-hydroxybenzoate (94-26-8)	
Ecology - soil	No (test)data on mobility of the substance available.
Phenoxyethanol (122-99-6)	
Surface tension	70.7 mN/m (20 °C, 1 g/l, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.6 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Ecology - soil	Highly mobile in soil.

12.5. Other adverse effects

No additional information available

Rosemary Phytobasic in BG

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not applicable

TDG

Transport hazard class(es) (TDG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (TDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

No data available

TDG

No data available

IMDG

No data available

IATA

No data available

Rosemary Phytobasic in BG

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

Rosemary Leaf Extract	CAS-No. 84604-14-8	1 – 5%
ISOBUTYLPARABEN	CAS-No. 4247-02-3	< 0.03%

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

Butylene Glycol (107-88-0)

Listed on the Canadian DSL (Domestic Substances List)

Rosemary Leaf Extract (84604-14-8)

Listed on the Canadian DSL (Domestic Substances List)

propylparaben (94-13-3)

Listed on the Canadian DSL (Domestic Substances List)

methyl 4-hydroxybenzoate (99-76-3)

Listed on the Canadian DSL (Domestic Substances List)

ethyl 4-hydroxybenzoate (120-47-8)

Listed on the Canadian DSL (Domestic Substances List)

butyl 4-hydroxybenzoate (94-26-8)

Listed on the Canadian DSL (Domestic Substances List)

Phenoxyethanol (122-99-6)

Listed on the Canadian DSL (Domestic Substances List)

ISOBUTYLPARABEN (4247-02-3)

Listed on the Canadian DSL (Domestic Substances List)

Rosemary Phytobasic in BG

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-statements	
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.

Safety Data Sheet (SDS), USA

Bio Botanica, Inc. cannot anticipate all conditions under this information and its product or in combination of products of other manufacturers. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product. Bio Botanica will not assume liability for loss, injury, damage, or expense due to improper use. The information stated in this document was written based on the best knowledge and experience currently available. The above data relates only to this product and not its use in combination with any other material or process. This document has been created as a guidance for safe handling, use, processing, storage, transportation, disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups. To the best of Bio Botanica's knowledge this Safety Data Sheet is considered accurate as of the date of this document.

It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users, considering the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.