



BUGS B GONE

SAFETY DATA SHEET

according to the Hazardous Products Regulation
(11 February 2015)


Version: 4021CA
SDS Revision Date: 2023/11/08

Applicable Law: Canada
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SECTION 1. IDENTIFICATION

Product name	: Bugs B Gone	
Product code	: BBG1CA, BBG2CA, BBG16CA	
Product form	: Mixture.	
Recommended use and restrictions	: Multi-use cleaner, road bugs on all vehicle surfaces, organic material on carpet and vinyl upholstery, coolers, kitchen sinks, and other surfaces.	
Manufacturer	: Sea Foam International, Inc. P.O. Box 639 Bismarck, ND USA 58502-0639 T 701-751-7363	
Distributor	: Refer to Manufacturer	
Emergency Telephone Number	: +INFOTRAC - (800) 535-5053 (Within Continental US) (8:30am-4:30pm, Mon to Fri, CST); +1 (352) 323-3500 (Outside US) NOTE: INFOTRAC emergency number is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.	

SECTION 2. HAZARDS IDENTIFICATION

<p>Classification of the substance or mixture <i>Classification (GHS CA)</i></p> <p>Eye Irrit. 2A H319 Causes serious eye irritation.</p> <p>GHS Label elements, including precautionary statements</p> <p><i>GHS-CA labelling</i> <i>Hazard pictograms (GHS CA)</i></p>  <p>Signal Word (GHS CA)</p> <p>Warning</p>	<p>Hazard statements (GHS CA)</p> <p>H319 - Causes serious eye irritation.</p> <p>Precautionary statements (GHS CA)</p> <p>P264 - Wash hands, forearms and face 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.</p> <p>Other Hazards</p> <p>No additional information available.</p> <p>Unknown Acute Toxicity</p> <p>Not applicable.</p>
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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Name	Chemical Name/Synonyms	Product Identifier	% wt
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	4-Nonylphenol, branched, ethoxylated / Polyethylene glycol, mono(p-nonylphenyl) ether, branched / .alpha.-(4-Nonylphenyl)-.omega.-hydroxy poly(oxy-1,2-ethanediyl), branched / .alpha.-(p-Nonylphenyl)-.omega.-hydroxypoly(oxyethylene) branched / 4-Nonylphenol, branched and linear, ethoxylated / .alpha.-(4-Nonylphenyl)-.omega.-hydroxypoly(oxy-1,2-ethanediyl) branched / Ethoxylated branched and linear 4-nonylphenol / Poly (oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched / 4-Nonylphenol, branched, ethoxylated, 1 - 2.5 moles ethoxylated	CAS-No.: 127087-87-0	1 - 5*
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt	Tetrasodium ethylenediaminetetraacetate / Ethylenediaminetetraacetic acid, tetrasodium salt / N,N'-1,2-Ethanediylbis(N-(carboxymethyl)glycine) tetrasodium salt / Tetrasodium ethylene diamine tetraacetate / edetate sodium / Edetate sodium / Tetrasodium edetate / EDTA, tetrasodium / Acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt / Tetrasodium salt of ethylenediaminetetraacetic acid / EDTA tetrasodium salt / TETRASODIUM EDTA / Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt / Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:4) / Tetrasodium	CAS-No.: 64-02-8	0.1 - 1



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	2,2',2",2'''-(ethylenedinitrilo)tetraacetate		
2-butoxyethanol	2-Butoxy-1-ethanol / Butoxyethanol / Ethanol, 2-butoxy- / Ethylene glycol monobutyl ether / Ethylene glycol n-butyl ether / Hydroxyethyl butyl ether / Ethylene glycol butyl ether / 2-Butoxyethan-1-ol / Ethylene glycol mono-n-butyl ether / 2-n-Butoxyethanol / Butyl glycol / BUTOXYETHANOL / EGBE / EGMBE / Butoxyethanol, 2- / Butyl Cellosolve / Monobutyl ether of ethyleneglycol	CAS-No.: 111-76-2	0.1 – 1
Potassium hydroxide	Caustic potash / Potassium hydroxide (K(OH)) / POTASSIUM HYDROXIDE	CAS-No.: 1310-58-3	0.1 – 1

*Actual concentration withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- First-aid measures after ingestion* : Do NOT induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
- First-aid measures after inhalation* : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact* : If skin irritation occurs: Wash skin with plenty of water. Get medical advice/attention.
- First-aid measures after eye contact* : 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 advice/attention.

Most important symptoms and effects, both acute and delayed

- Symptoms/effects after ingestion* : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- Symptoms/effects after inhalation* : May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact* : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
- Symptoms/effects after eye contact* : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment* : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media* : Water spray. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).
- Unsuitable extinguishing media* : Do not use a solid water stream as it may scatter and spread fire.
- Fire hazard* : Products of combustion may include, and are not limited to: oxides of carbon. Irritating vapors.
- Protection during firefighting* : Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- General measures* : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Methods and material for containment and cleaning up

- For containment* : Absorb and/or contain spill with inert material (sand, vermiculite, or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

- Methods for cleaning up* : Provide ventilation. Sweep or shovel spills into appropriate container for disposal.

Reference to other sections

- : For further information refer to section 8: "Exposure controls/personal protection."



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SECTION 7. HANDLING AND STORAGE

Precautions for safe handling : Read label before use. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink, or smoke.

Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Store tightly closed in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

2-butoxyethanol (111-76-2)

USA - ACGIH - Occupational Exposure Limits

Local name	2-Butoxyethanol (EGBE)
ACGIH OEL TWA [ppm]	20 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2020

USA - ACGIH - Biological Exposure Indices

BEI	200 mg/g creatinine Parameter: Butoxyacetic acid with hydrolysis - Medium: urine - Sampling time: end of shift
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Potassium hydroxide (1310-58-3)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL C	2 mg/m ³
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Appropriate engineering controls : Ensure good ventilation of the workstation. Provide readily accessible eye wash stations and safety showers.

Environmental exposure controls : Avoid release to the environment.

Individual protection measures, such as personal protective equipment

Eye protection : Wear eye/face protection.

Skin and body protection : Wear suitable protective clothing.

Hand protection : Wear suitable gloves.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Other information : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:
Liquid.

Appearance:
Clear liquid.

Colour:
Colourless.

Odour:
Natural.

Flammability (solid, gas):
Not flammable.

Explosive properties/explosive limits:
Not explosive/No data available.

Vapour pressure:
No data available.

Relative vapour density at 20 °C:
No data available.



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Odour threshold:
No data available.

pH:
10.8

Melting/Freezing point:
-2.22 °C / 28 °F

Boiling point:
101.1 °C / 214 °F

Flash point:
> 300 °C / 572 °F

Relative evaporation rate (butylacetate = 1):
No data available.

Relative evaporation rate (ether=1):
No data available.

Relative density:
No data available.

Solubility:
Soluble in water.

Partition coefficient: n-octanol/water:
No data available.

Auto-ignition temperature:
No data available.

Decomposition temperature:
No data available.

Viscosity, kinematic:
No data available.

Other information:
No additional information available.

Glycine, N,N'-1,2-ethanediylobis[N-(carboxymethyl)-, tetrasodium salt (64-02-8)	
Flashpoint	> 100 °C (closed cup)
Auto-ignition temperature	> 100 °C
Vapour pressure	0 hPa Temp.: 25 °C
2-butoxyethanol (111-76-2)	
Boiling point	168.4 °C
Flashpoint	62 °C
Auto-ignition temperature	230 °C
Vapour pressure	0.8 hPa Temp.: 20 °C
Potassium hydroxide (1310-58-3)	
Boiling point	1320 °C
Vapour pressure	2.6664 – 3.9997 hPa (at 15.6 °C)
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)	
Boiling point	188.6 °C Atm. press.: 977,7 hPa Decomposition: 'no' Remarks on result: 'other:'
Flashpoint	110.3 °C Atm. press.: 977,8 hPa
Vapour pressure	0.000000001 Pa Temp.: 25 °C Remarks on result: 'other:'

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reactions known under normal conditions of use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Heat. Incompatible materials.
Incompatible materials	: Strong acids.
Hazardous decomposition products	: May include and are not limited to: oxides of carbon.



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Hardening time : No additional information available.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

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

Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt (64-02-8)

LD50 oral rat	1658 mg/kg
LD50 oral	1210 mg/kg
ATE CA (oral)	1210 mg/kg body weight

2-butoxyethanol (111-76-2)

LD50 oral rat	1746 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1322 - 2301
LD50 oral	1414 mg/kg body weight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961
LD50 dermal rabbit	435 mg/kg
LC50 inhalation rat	2.35 mg/l
LC50 inhalation rat	486 ppm/4h
ATE CA (oral)	1414 mg/kg body weight
ATE CA (Dermal)	435 mg/kg body weight
ATE CA (Gases)	486 ppmv/4h
ATE CA (vapours)	2.35 mg/l/4h
ATE CA (dust,mist)	2.35 mg/l/4h

Potassium hydroxide (1310-58-3)

LD50 oral rat	284 mg/kg
LD50 oral	284 mg/kg
ATE CA (oral)	284 mg/kg body weight

Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy- (9016-45-9)

LD50 oral rat	1310 mg/kg
LD50 oral	657.2 mg/kg body weight Animal: rabbit, Animal sex: male, Guideline: other., Remarks on results: other., 95% CL: 265 - 1664,2
LD50 dermal rabbit	≤
ATE CA (oral)	657.2 mg/kg body weight

Skin corrosion/irritation : Not classified.
pH: 10.8

Potassium hydroxide (1310-58-3)

pH	13 (conc: 1 % (solution))
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Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)

pH	5.95 Temp.: 26 °C Concentration: 1 other:
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Serious eye damage/irritation : Causes serious eye irritation
pH: 10.8

Potassium hydroxide (1310-58-3)

pH	13 (conc: 1 % (solution))
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Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)

pH	5.95 Temp.: 26 °C Concentration: 1 other:
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Respiratory or skin sensitization	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
2-butoxyethanol (111-76-2)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified.
STOT-single exposure	: Not classified.
2-butoxyethanol (111-76-2)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified.
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt (64-02-8)	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.015 mg/l air Animal: rat, Animal sex: female, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg body weight Animal: rat
2-butoxyethanol (111-76-2)	
NOAEL (dermal, rat/rabbit, 90 days)	> 150 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study), Remarks on results: other:
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified.
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt (64-02-8)	
Animal studies and expert judgment for classification	False
2-butoxyethanol (111-76-2)	
Animal studies and expert judgment for classification	False
Potassium hydroxide (1310-58-3)	
Animal studies and expert judgment for classification	False
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)	
Animal studies and expert judgment for classification	False
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting, and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

<i>Ecology - general</i>	: May cause long-term adverse effects in the aquatic environment.
<i>Hazardous to the aquatic environment, short-term (acute)</i>	: Not classified.
<i>Hazardous to the aquatic environment, long-term (chronic)</i>	: Not classified.

Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrasodium salt (64-02-8)



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LC50 - Fish [1]	41 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 - Fish [2]	59.8 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	140 mg/l Test organisms (species): Daphnia magna
ErC50 algae	1.01 mg/l
EC50 72h - Algae [1]	1.01 mg/l (Species: Desmodesmus subspicatus)
NOEC chronic fish	≥ 25.7 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '35 d'
NOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
LOEC (chronic)	50 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
2-butoxyethanol (111-76-2)	
LC50 - Fish [1]	1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 - Fish [2]	2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
EC50 - Crustacea [1]	≈ 1800 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	911 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	1840 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC chronic fish	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '21 d'
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Poly(oxy-1,2-ethanediyl), -alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched (127087-87-0)	
LC50 - Fish [1]	84.7 mg/l Test organisms (species): Lepomis macrochirus
EC50 - Crustacea [1]	14 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	1948545 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	12 mg/l Test organisms (species): other:

Persistence and degradability

Bugs B Gone (standard)

Persistence and degradability : Not established.

Bioaccumulative potential

Bugs B Gone (standard)

Bioaccumulative potential : Not established.

2-butoxyethanol (111-76-2)

Partition coefficient n-octanol/water 0.81 (at 25 °C)

Potassium hydroxide (1310-58-3)

Partition coefficient n-octanol/water 0.65

Mobility in soil : No additional information available.

Other adverse effects

Ozone : Not classified.

Other information : No other effects known.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Product/packaging disposal recommendations

: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. The generation of waste should be avoided or minimized wherever possible.



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SECTION 14. TRANSPORTATION INFORMATION

In accordance with TDG.

UN number : Not regulated for transport.

UN proper shipping name

Proper shipping name (TDG) : Not applicable.

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

Packing group (TDG) : Not applicable.

Environmental hazards

Other information : No additional information available.

Special transport precautions : Do not handle until all safety precautions have been read and understood.

TDG : No data available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable.

SECTION 15. REGULATORY INFORMATION

National regulations : All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

International regulations : No additional information available.

SECTION 16. OTHER INFORMATION

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.