



# Bora-Care® Safety Data Sheet

Issue Date: 01-Nov-2003

Revision Date: 21-Apr-2022

Version 3

## 1. IDENTIFICATION

### Product identifier

**Product Name** Bora- Care®

### Other means of identification

**SDS #** NIS-008

**Registration Number(s)** EPA Reg No 64405-1  
**UN/ID No** UN3082

### Recommended use of the chemical and restrictions on use

**Recommended Use** Termiticide, insecticide and fungicide concentrate.

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Nisus Corporation  
100 Nisus Drive  
Rockford, TN 37853

#### **Emergency telephone number**

**Company Phone Number** Phone: (800)-264-0870  
Fax: (865) 577-5825  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Emergency Overview** This chemical is a product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-EPA registered chemicals. Please see Section 15 for additional EPA information.

**Appearance** Clear, viscous gel

**Physical state** Liquid

**Odor** Characteristic

### Classification

Acute toxicity - Oral	Category 4
Reproductive toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2

### Signal Word

**Danger**

### Hazard statements

Harmful if swallowed  
May damage fertility or the unborn child  
May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Ethylene glycol	107-21-1	40-60
Disodium octaborate tetrahydrate	12280-03-4	40

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST AID MEASURES

**Description of first aid measures**

<b>General Advice</b>	Immediate medical attention is required for large ingestions.
<b>Eye Contact</b>	Flush victim's eyes with large quantities of water, while holding the eyelids apart. Get medical attention if irritation develops or persists.
<b>Skin Contact</b>	Wash skin thoroughly with soap and water. Get medical attention if irritation develops. Remove and launder clothing before re-use.
<b>Inhalation</b>	Remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.
<b>Ingestion</b>	Do not induce vomiting unless directed to do so by a medical professional. Get immediate medical attention for large ingestions or if symptoms develop or if you feel unwell.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	May cause eye and skin irritation. Inhalation of mists may cause mild mucous membrane and respiratory irritation. Harmful if swallowed. Repeated ingestion may cause kidney damage.
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**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** A solid stream of water directed into hot, burning liquid would cause frothing and scattering of burning material.

**Specific Hazards Arising from the Chemical**

Burning may produce carbon monoxide, carbon dioxide and ethylene oxide.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool fire exposed containers with water.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Evacuate spill area and keep unprotected personnel away. Wear appropriate protective clothing as described in Section 8.

**Environmental precautions**

**Environmental precautions** Avoid release to the environment. See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Dike and collect liquid or absorb with an inert absorbent and place in appropriate containers for disposal. Prevent spill from entering sewers and watercourses. Report releases as required by local, state and federal authorities.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on Safe Handling** Avoid contact with the eyes, skin and clothing. Avoid breathing mists or aerosols. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Remove contaminated clothing immediately and wash before reuse. Remove PPE immediately after handling.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible materials. Keep out of the reach of children. Protect from physical damage.

**Packaging Materials** Non refillable container. Do not reuse containers. Product residues in empty containers can be hazardous. Follow all SDS precautions when handling empty containers.

**Incompatible Materials** Avoid strong oxidizing agents and aluminum.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene glycol 107-21-1	STEL: 50 ppm vapor fraction STEL: 10 mg/m <sup>3</sup> inhalable particulate matter, aerosol only TWA: 25 ppm vapor fraction	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	-
Disodium octaborate tetrahydrate 12280-03-4	STEL: 6 mg/m <sup>3</sup> inhalable particulate matter TWA: 2 mg/m <sup>3</sup> inhalable particulate matter	-	-

### Appropriate engineering controls

#### Engineering Controls

Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits. Suitable washing facilities should be available in the work area.

### Individual protection measures, such as personal protective equipment

#### Eye/Face Protection

Wear safety goggles or glasses where splashing is possible.

#### Skin and Body Protection

Wear impervious gloves such as butyl rubber, nitrile, neoprene, polyethylene, polyvinyl chloride or Viton. Follow instructions for Category C on an EPA resistance category selection chart for more options. Wear long sleeve shirts, long pants, socks and shoes when using this product.

#### Respiratory Protection

In operations where exposure levels are exceeded, a NIOSH approved respirator with methylamine or organic vapor cartridges with approved pesticide prefilter or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice. Refer to the product label for additional information.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Characteristic
<b>Appearance</b>	Clear, viscous gel	<b>Odor Threshold</b>	Not established
<b>Color</b>	Clear		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
<b>pH</b>	6.9-7.1 (50% solution in water)		
<b>Melting point / freezing point</b>	Not determined		
<b>Boiling point / boiling range</b>	>100 °C / >212 °F		
<b>Flash point</b>	>104 °C / >220 °F	(Dipropylene glycol methyl ether acetate)	
<b>Evaporation Rate</b>	Not determined		
<b>Flammability (Solid, Gas)</b>	Liquid-Not applicable		
<b>Flammability Limit in Air</b>			
<b>Upper flammability or explosive limits</b>	Not determined		
<b>Lower flammability or explosive limits</b>	Not determined		
<b>Vapor Pressure</b>	Negligible		
<b>Vapor Density</b>	Not determined		
<b>Relative Density</b>	1.38		
<b>Water Solubility</b>	Soluble in water		

<b>Solubility in other solvents</b>	Not determined
<b>Partition Coefficient</b>	Not determined
<b>Autoignition temperature</b>	None
<b>Decomposition temperature</b>	Not determined
<b>Kinematic viscosity</b>	8000-11000 centipoise
<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined

**Other information**

**VOC Content** 36% by weight as water

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not reactive under normal conditions.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Incompatible Materials.

**Incompatible materials**

Avoid strong oxidizing agents and aluminum.

**Hazardous decomposition products**

When heated to decomposition, it emits carbon monoxide, carbon dioxide and ethylene oxide.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Avoid contact with skin.

**Inhalation** Do not inhale.

**Ingestion** Harmful if swallowed.

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene glycol 107-21-1	= 4700 mg/kg ( Rat )	= 10600 mg/kg ( Rat )	-
Disodium octaborate tetrahydrate 12280-03-4	= 2500 mg/kg ( Rat )	-	-
Polyethylene glycol 25322-68-3	= 22 g/kg ( Rat )	> 20 g/kg ( Rabbit )	-

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

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Carcinogenicity</b>	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Reproductive toxicity</b>	Sodium Borate: Sodium borate and boric acid interfere with sperm production, damage the testes and interfere with male fertility when given to animals by mouth at high doses. Boric acid produces developmental effects, including reduced body weight, malformations and death, in the offspring of pregnant animals given boric acid by mouth. The above mentioned animal studies were conducted under exposure conditions leading to doses many times in excess of those that could occur through product use or inhalation of dust in occupational settings. Moreover, a human study of occupational exposure to sodium borate and boric acid dusts showed no adverse effect on fertility.
<b>STOT - repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure.

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

<b>Oral LD50</b>	896.60 mg/kg
<b>Dermal LD50</b>	19,760.70 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	3.16 mg/L

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information**

<b>Chemical name</b>	<b>Algae/aquatic plants</b>	<b>Fish</b>	<b>Crustacea</b>
Ethylene glycol 107-21-1	6500 - 13000: 96 h Pseudokirchneriella subcapitata mg/L EC50	14 - 18: 96 h Oncorhynchus mykiss mL/L LC50 static 40000 - 60000: 96 h Pimephales promelas mg/L LC50 static 16000: 96 h Poecilia reticulata mg/L LC50 static 27540: 96 h Lepomis macrochirus mg/L LC50 static 40761: 96 h Oncorhynchus mykiss mg/L LC50 static 41000: 96 h Oncorhynchus mykiss mg/L LC50	46300: 48 h Daphnia magna mg/L EC50

**Persistence/Degradability**

Readily biodegradable.

**Bioaccumulation**

There is no data for this product.

**Mobility**

<b>Chemical name</b>	<b>Partition coefficient</b>
Ethylene glycol 107-21-1	-1.93

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

**Note** This product is NOT REGULATED for transportation unless the package contains a reportable quantity. If a shipment of a reportable quantity (10,000 lbs/ 870 gal in a single package) is involved, the following DOT information applies:

#### DOT

<b>UN/ID No</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s. (Ethylene glycol)
<b>Hazard class</b>	9
<b>Packing Group</b>	III
<b>Reportable Quantity (RQ)</b>	10,000 lbs/ 870 gal

**IATA** Not regulated

**IMDG** Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Ethylene glycol	X	ACTIVE	X	X	X	X	X	X	X
Disodium octaborate tetrahydrate	X					X		X	
Polyethylene glycol	X	ACTIVE	X	X	X	X	X	X	X

#### **Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*  
*AICS - Australian Inventory of Chemical Substances*

#### US Federal Regulations

#### CERCLA

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ethylene glycol 107-21-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals.

<b>Chemical name</b>	<b>California Proposition 65</b>
Ethylene glycol - 107-21-1	Developmental

**U.S. State Right-to-Know Regulations**

<b>Chemical name</b>	<b>New Jersey</b>	<b>Massachusetts</b>	<b>Pennsylvania</b>
Ethylene glycol 107-21-1	X	X	X
Disodium octaborate tetrahydrate 12280-03-4	X		

**EPA Pesticide Registration Number** EPA Reg No 64405-1

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label**

Please refer to EPA label for additional information

**Difference between SDS and EPA pesticide label**

Please refer to EPA label for additional information



<b>16. OTHER INFORMATION</b>
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<u><b>NFPA</b></u>	<b>Health Hazards</b> 2	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Special Hazards</b> Not determined
<u><b>HMIS</b></u>	<b>Health Hazards</b> 2	<b>Flammability</b> 1	<b>Physical hazards</b> 0	<b>Personal Protection</b> Not determined

**Issue Date:** 01-Nov-2003  
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**Revision Note:** Regulatory review

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



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