



# Niban<sup>®</sup> Granular Bait Safety Data Sheet

Issue Date: 07-Jan-2014

Revision Date: 19-Oct-2022

Version 3

## 1. IDENTIFICATION

### Product identifier

**Product Name** Niban Granular Bait

### Other means of identification

**SDS #** NIS-009

**Registration Number(s)** EPA Reg No. 64405-2

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

**Recommended Use** A weather/moisture resistant bait to kill and control ants (except fire ants), carpenter ants, cockroaches, crickets, mole crickets, earwigs, silverfish, snails and slugs.

### 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** Brown, granular particles

**Physical state** Solid

**Odor** No odor

### Classification

|   |            |
|---|------------|
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Reproductive toxicity                     | Category 2 |

### Signal Word

**Warning**

### Hazard statements

Harmful if inhaled  
May damage fertility or the unborn child

**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  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**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-% |
|---------------|------------|----------|
| Boric Acid    | 10043-35-3 | 5        |

\*\*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. Harmful if inhaled. |
|-----------------|--|

**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** Not determined.

**Specific Hazards Arising from the Chemical**

Dust can form an explosive mixture with air.

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

**Explosion Data**

**Sensitivity to Static Discharge** AVOID GENERATING DUST. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**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.

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

**Personal Precautions** Wear appropriate personal protective equipment as specified in section 8.

**Environmental precautions**

**Environmental precautions** Do not apply directly to water or contaminate water. Prevent spill from entering sewers and water courses. 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** Carefully sweep, scoop or vacuum and place in suitable container. Avoid generating dust or accumulating dust. Avoid dust dispersal in the air (i.e. cleaning dust surfaces with compressed air). Spilled material can be a slipping hazard. Eliminate flames, sparks, excessive temperatures and oxidizing agents. Non-sparking tools should be used.

**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. Avoid generation of dust. Avoid breathing dusts. Minimize dust generation and accumulation. Ensure that dust does not accumulate on surfaces.

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

|                               |  |
|-------------------------------|--|
| <b>Storage Conditions</b>     | Keep containers closed when not in use. Store in a dry area away from incompatible materials. Do not store where children or animals may gain access. Store in closed, properly labeled containers in a cool, ventilated area. Do not transfer contents to bottles or other unlabeled containers. Keep away from heat, open flames and oxidizing agents. |
| <b>Packaging Materials</b>    | Non refillable container. Do not reuse containers. Product residues in empty containers can be hazardous. Follow all SDS precautions when handling empty containers.   |
| <b>Incompatible Materials</b> | Oxidizing agents.  |

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

| Chemical name            | ACGIH TLV   | OSHA PEL | NIOSH IDLH |
|--------------------------|---|----------|------------|
| Boric Acid<br>10043-35-3 | STEL: 6 mg/m <sup>3</sup> inhalable particulate matter<br>TWA: 2 mg/m <sup>3</sup> inhalable particulate matter | -        | -          |

**Appropriate engineering controls**

|                             |  |
|-----------------------------|--|
| <b>Engineering Controls</b> | Use with adequate ventilation to maintain exposure levels below the occupational exposure limits. Suitable washing facilities should be available in the work area. Explosion-proof general and local exhaust ventilation. Use explosion proof electrical equipment for very high dust levels. Ensure ventilation and dust-handling systems prevent the escape of dust into work areas and there is no leakage from equipment. |
|-----------------------------|--|

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

|                                 |  |
|---------------------------------|--|
| <b>Eye/Face Protection</b>      | Wear safety glasses to prevent eye contact.  |
| <b>Skin and Body Protection</b> | Use gloves for normal application of this product. Wear long sleeve shirts, long pants, socks and shoes when using this product.   |
| <b>Respiratory Protection</b>   | 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. Nuisance dust mask 3M type 8710 or equivalent. |

**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>                 | Solid                     | <b>Odor</b>                               | No odor         |
| <b>Appearance</b>                     | Brown, granular particles | <b>Odor Threshold</b>                     | Not established |
| <b>Color</b>                          | Brown                     |   |                 |
| <b>Property</b>                       | <b>Values</b>             | <b>Remarks • Method</b>                   |                 |
| <b>pH</b>                             | N/A                       |   |                 |
| <b>Melting point / freezing point</b> | N/A                       |   |                 |
| <b>Boiling point / boiling range</b>  | Not determined            |   |                 |
| <b>Flash point</b>                    | >233 °C / >451 °F         | (Dipropylene glycol methyl ether acetate) |                 |
| <b>Evaporation Rate</b>               | N/A                       |   |                 |

|   |  |
|---|--|
| <b>Flammability (Solid, Gas)</b>              | Fine dust may form explosive mixtures in air |
| <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>                       | 0.62 of water                                |
| <b>Water Solubility</b>                       | Moderate                                     |
| <b>Solubility in other solvents</b>           | Not determined                               |
| <b>Partition Coefficient</b>                  | N/A  |
| <b>Autoignition temperature</b>               | None   |
| <b>Decomposition temperature</b>              | N/A  |
| <b>Kinematic viscosity</b>                    | N/A  |
| <b>Dynamic Viscosity</b>                      | Not determined                               |
| <b>Explosive Properties</b>                   | Dust can form an explosive mixture with air  |
| <b>Oxidizing Properties</b>                   | Not determined                               |
| <b>Other information</b>                      |  |
| <b>VOC Content</b>                            | Minimal                                      |

## 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

Avoid generation of dust. Incompatible Materials.

### Incompatible materials

Oxidizing agents.

### Hazardous decomposition products

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

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

|                     |                          |
|---------------------|--------------------------|
| <b>Eye Contact</b>  | Avoid contact with eyes. |
| <b>Skin Contact</b> | Avoid contact with skin. |
| <b>Inhalation</b>   | Harmful if inhaled.      |
| <b>Ingestion</b>    | Do not ingest.           |

**Component Information**

| Chemical name            | Oral LD50            | Dermal LD50             | Inhalation LC50         |
|--------------------------|----------------------|-------------------------|-------------------------|
| Boric Acid<br>10043-35-3 | = 2660 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 0.16 mg/L ( Rat ) 4 h |

**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**

**Carcinogenicity** Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Reproductive toxicity** 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.

**Numerical measures of toxicity**

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

Oral LD50 53,200.0000 mg/kg  
 Dermal LD50 40,040.00 mg/kg  
 ATEmix (inhalation-dust/mist) 3.20 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**

| Chemical name            | Algae/aquatic plants | Fish | Crustacea                                  |
|--------------------------|----------------------|------|--|
| Boric Acid<br>10043-35-3 |                      |      | 115 - 153: 48 h Daphnia magna<br>mg/L EC50 |

**Persistence/Degradability**

Readily biodegradable.

**Bioaccumulation**

There is no data for this product.

**Mobility**

| Chemical name            | Partition coefficient |
|--------------------------|-----------------------|
| Boric Acid<br>10043-35-3 | -0.757                |

**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. |

#### California Hazardous Waste Status

| Chemical name            | California Hazardous Waste Status |
|--------------------------|-----------------------------------|
| Boric Acid<br>10043-35-3 | Toxic                             |

### 14. TRANSPORT INFORMATION

|             |   |
|-------------|---|
| <b>Note</b> | Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. |
| <b>DOT</b>  | Not regulated   |
| <b>IATA</b> | Not regulated   |
| <b>IMDG</b> | Not regulated   |

### 15. REGULATORY INFORMATION

#### International Inventories

| Chemical name | TSCA | TSCA Inventory Status | DSL/NDSL | EINECS/ELI NCS | ENCS | IECSC | KECL | PICCS | AICS |
|---------------|------|-----------------------|----------|----------------|------|-------|------|-------|------|
| Boric Acid    | 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**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

#### **SARA 311/312 Hazard Categories**

|  |    |
|--|----|
| <b>Acute Health Hazard</b>               | No |
| <b>Chronic Health Hazard</b>             | No |
| <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 does not contain any 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 does not contain any Proposition 65 chemicals.

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

| Chemical name            | New Jersey | Massachusetts | Pennsylvania |
|--------------------------|------------|---------------|--------------|
| Boric Acid<br>10043-35-3 | X          |               |              |

**EPA Pesticide Registration Number** EPA Reg No. 64405-2

**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



**16. OTHER INFORMATION**

**Additional Product Information** Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

|                    |                            |                          |                              |  |
|--------------------|----------------------------|--------------------------|------------------------------|--|
| <b><u>NFPA</u></b> | <b>Health Hazards</b><br>0 | <b>Flammability</b><br>0 | <b>Instability</b><br>0      | <b>Special Hazards</b><br>Not determined     |
| <b><u>HMIS</u></b> | <b>Health Hazards</b><br>1 | <b>Flammability</b><br>0 | <b>Physical hazards</b><br>0 | <b>Personal Protection</b><br>Not determined |

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**Revision Note:** Regulatory update

**Disclaimer**

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