

SAFETY DATA SHEET

NIBAN[®]

GRANULAR BAIT C

Health Emergencies: INFOTRAC[®] (800) 535-5053

1. IDENTIFICATION

Product Identifier: Niban Granular Bait C

Recommended use of the chemical and restrictions on 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.

Manufacturer: Nisus Corporation
100 Nisus Drive
Rockford, TN 37853 USA

Telephone: Phone: (800) 264-0870
Fax: (865) 577-5825

Emergency Phone: 800-535-5053 (INFOTRAC)

Canadian Registration No.: 26565 Pest Control Products Act

SDS Date of Preparation: 04-May-2018

2. HAZARDS IDENTIFICATION

Emergency Overview: This chemical is a product registered by the Canadian Pest Control Products Act (CPCPA) 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-PCPA registered chemicals. This product has been classified according to Canada's Hazardous Product Regulations (WHMIS 2015). Please see CPCPA label for additional information.

Appearance: Brown, granular particles

Physical State: Solid **Odor:** Corn

Classification:

Acute Toxicity – Inhalation (Dusts/Mists): Category 4
Combustible Dust

Signal Word: Warning

GHS Label Elements:



Statements of Hazard: Harmful if inhaled. May form combustible dust concentrations in air.

Precautionary Statements - Prevention

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

Precautionary Statements - Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor if you feel unwell.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Boric Acid	10043-35-3	5%

The exact formulation is being withheld as a trade secret.

4. FIRST AID MEASURES

General advice: Immediate medical attention is required for large ingestions.

Eye contact: Flush victim's eyes with large quantities of water, while holding the eyelids apart. Get medical attention if irritation develops or persists.

Skin contact: Wash skin thoroughly with soap and water. Get medical attention if irritation develops. Remove and launder clothing before re-use.

Inhalation: Remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.

Ingestion: 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

Symptoms: May cause eye and skin irritation. Harmful if inhaled.

Indication of any immediate medical attention and special treatment needed

Note to physicians: 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: CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical: No information available.

Hazardous Combustion Products: Carbon monoxide. Carbon dioxide (CO₂).

Explosion Data

Sensitive to Mechanical Impact – None

Sensitive 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

Special Protective Equipment for Fire-Fighters: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Personal Precautions: Wear appropriate protective clothing as described in Section 8.

Environmental Precautions: Do not apply directly to water or contaminate water. Prevent spill from entering sewers and water courses.

Methods and Materials for Containment and Cleaning Up

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

Methods for Cleaning 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). If possible, complete cleanup on a dry basis. Spilled material can be a slipping hazard. Eliminate flames, sparks, excessive temperatures and oxidizing agents. Non-sparking tools should be used.

Prevention of Secondary Hazards: Clean contaminated objects and areas thoroughly observing environmental regulations.

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

Storage Conditions: 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.

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: Oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Canada Occupational Exposure Limits - Ceilings:

Chemical Name	Alberta	British Columbia	Ontario	Quebec
Boric Acid 10043-35-3		TWA: 2 mg/m ³ STEL: 6 mg/m ³	TWA: 2 mg/m ³ STEL: 6 mg/m ³	

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. 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

Eye/Face Protection: Wear safety glasses to prevent eye contact.

Skin and Body Protection: Use gloves for normal application of this product. 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 pre-filter 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

Physical state..... Solid
Appearance Brown, granular particles
Color..... Brown
Odor Corn
Odor Threshold Not established

Property	Values
pH	N/A
Melting point / freezing point	N/A
Boiling Point / Boiling Range	Not determined
Flash Point	>233 °C / >451 °F
Evaporation Rate	N/A
Flammability (Solid, Gas)	Fine dust may form explosive mixtures in air.

Flammability Limit in Air

Upper Flammability Limit..... Not determined
Lower Flammability Limit..... Not determined
Vapor Pressure Negligible
Vapor Density Not determined
Relative Density..... 0.62 of water

Property	Values
Water Solubility	Not soluble
Solubility in other solvents	Not determined
Partition Coefficient	N/A
Autoignition temperature	None
Decomposition Temperature	N/A

Kinematic Viscosity..... N/A
Dynamic Viscosity Not determined
Explosive properties No information available.
Oxidizing properties..... No information available.

Other Information

Softening Point No information available
Molecular weight..... No information available
VOC Content (%)..... No information available
Density No information available
Bulk Density No information available

10. STABILITY AND REACTIVITY

Reactivity: No information available
Chemical Stability: Stable under normal 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

Eye: Avoid contact with eyes.
Skin: Avoid contact with skin.
Inhalation: Harmful if inhaled.
Ingestion: Do not ingest.

Information on physical, chemical and toxicological effects

Symptoms: Please see Section 4 of this SDS for symptoms.

Numerical measures of toxicity

Acute Toxicity

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

ATEmix (oral)53,200.00
ATEmix (dermal)40,040.00
ATEmix (inhalation-dust/mist)3.20

Unknown acute toxicity: No information available

Component Information

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Boric Acid 10043-35-3	= 2660 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 0.16 mg/L (Rat) 4 h

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

Carcinogenicity: Based on available data, the classification criteria are not met.

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.

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.

Persistence and Degradability: Readily biodegradable.

Bioaccumulation: No information available

Mobility:

Chemical Name	Partition Coefficient
Boric Acid 10043-35-3	-0.757

Other Adverse Effects: No information available

13. DISPOSAL CONSIDERATION

Waste Treatment Methods

Waste from residues/unused products: Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging: Do not reuse empty containers.

14. TRANSPORTATION INFORMATION

DOT: Not Regulated

TDG: Not Regulated

IATA: Not Regulated

IMDG: Not Regulated

15. REGULATORY INFORMATION

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

Chemical Name	Boric Acid
TSCA	X
DSL/NDSL	X
EINECS/ELINCS	X
ENCS	X
IECSC	X
KECL	X
PICCS	X
AICS	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

16. OTHER INFORMATION INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA:

Health Hazards = 0 Flammability = 0 Instability = 0

HMIS Rating:

Health Hazards = 1 Flammability = 0 Physical Hazard = 0

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA: Time-Weighted Average

STEL: Short Term Exposure Limit

Ceiling: Maximum limit value
Skin designation

Issue Date: 07-Jan-2014

Revision Date: 04-May-2018

Revision Note: No information available

Disclaimer

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