

**PERTINENT ECO-SOLUTIONS, INC.
SAFETY DATA SHEET**

This Safety Data Sheet has been prepared to comply with the US OSHA Hazcom 2012 Standard.

SECTION 1: IDENTIFICATION

Product Identifier:

Trade Name: Naturganic™ Pest Powder
SDS Date of Preparation: December 2, 2024

Recommended use of the chemical and restrictions on use:

Recommended use: None known
Restrictions on use: None known

Details of the Supplier of the Safety Data Sheet:

Manufacturer: Pertinent Eco-Solutions, Inc.
 2800 Sumner Blvd, Ste 136
 Raleigh, NC 27616
Information Phone Number: (919) 676-8644

Emergency Telephone Number:

Emergency Spill Information: INFOTRAC: 1-800-535-5053 (North America)
 1-352-323-3500 (International)

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:

Physical	Health
Not Classified	Eye Damage Category 1 Skin Sensitization Category 1

Label Elements:

Danger!



Hazard Phrases

May cause an allergic skin reaction.
 Causes serious eye damage.

Precautionary Phrases

Avoid breathing dust.
 Contaminated work clothing must not be allowed out of the workplace.
 Wear protective gloves and eye protection.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a POISON CENTER or doctor.
 If on skin: Wash with plenty of water.
 If skin irritation or rash occurs: Get medical attention.
 Wash contaminated clothing before reuse.
 Dispose of contents and container in accordance with local and national regulations.

Other Hazards: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%
Sodium Bicarbonate	144-55-8	70-90
Citronella Oil	8000-29-1	<10
Calcium Silicate	1344-95-2	<10
Calcium Carbonate	471-34-1	<10

The specific identity and/or exact percentage of composition have been withheld as a trade secret.

SECTION 4: FIRST-AID MEASURES

Description of First Aid Measures:

Eye: Immediately flush eyes thoroughly with large quantities of water for 20 minutes, while holding the eye lids open to be sure the material is washed out. Remove contact lenses if present and easy to do. Get immediate medical attention.

Skin: Remove contaminated clothing. Wash contact area thoroughly with soap and water for several minutes. Get medical attention if irritation or rash occurs. 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 medical personnel. Keep the victim calm and warm. Get medical attention if symptoms develop.

Most Important symptoms and effects, both acute and delayed: May cause severe eye irritation with possible eye damage. May cause skin irritation. May cause skin sensitization. Inhalation of dust may cause respiratory tract irritation.

Indication of any immediate medical attention and special treatment needed: Immediate medical attention is required for eye contact.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use any media that is appropriate for the surrounding fire.

Special Hazards Arising from the Chemical: Not classified as flammable or combustible. During a fire, this product may release oxides of carbon and other toxic or irritating compounds.

Special Equipment and Precautions for Fire-Fighters: Wear an approved, positive pressure, self-contained breathing apparatus, and full protective clothing. Cool fire exposed containers with water. Contain water used in firefighting from entering sewers or natural waterways.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Avoid contact with eyes, skin, or clothing. Wear appropriate protective clothing to prevent eye and skin contact including impervious gloves, safety goggles and respirator if needed. Avoid generating or breathing air-borne dust. Ventilate area. Powders that become wet may cause surfaces to be extremely slippery and present a slip hazard.

Methods and Material for Containment and Cleaning Up:

Scoop or shovel up using methods that minimize the generation of airborne dust. Dust deposits should not be allowed to accumulate on surfaces. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Place dry material into an appropriate container for disposal. Wipe spill area with a damp cloth. Avoid releases to the environment. Report spills and releases as required to appropriate authorities.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid breathing dust. Use with adequate ventilation. Avoid contact with the eyes, skin, and clothing. Always wear impervious gloves, chemical safety goggles and protective clothing when handling this material. Wash thoroughly after handling. Do not eat, drink, or smoke in the work area. Keep product away from heat and flames. Follow good housekeeping practices to keep surfaces, including areas overhead such as piping, drop ceilings, ductwork, etc. free from settled dust. Keep containers closed when not in use.

Conditions for Safe Storage, Including any Incompatibilities: Store in a container in a cool, dry, well-ventilated location away from oxidizers and incompatible materials. Keep container tightly closed when not in use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Exposure Limits
Sodium Bicarbonate (as PNOC)	5 mg/m3 (respirable fraction), 15 mg/m3 (total dust) TWA OSHA PEL
Citronella Oil	None Established
Calcium Silicate	5 mg/m3 (respirable fraction), 15 mg/m3 (total dust) TWA OSHA PEL
Calcium Carbonate	5 mg/m3 (respirable fraction), 15 mg/m3 (total dust) TWA OSHA PEL

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Personal Protective Equipment:

Respiratory Protection: In operations where exposure levels are excessive, an approved respirator with dust/mist cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form, and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin Protection: Impervious gloves are recommended to prevent skin contact. Contact your glove supplier for selection assistance.

Eye Protection: Chemical safety goggles should be worn to prevent eye contact.

Other Protective Equipment: Impervious clothing is required to prevent skin contact and contamination of personal clothing. An eye wash facility and safety shower should be available in the work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White solid	Vapor Pressure: Not applicable
Odor: Characteristic odor	Vapor Density (air = 1): Not applicable
Odor Threshold: Not established	Relative Density: No data available
pH: Not applicable	Solubility(ies): No data available
Melting Point/Freezing Point: No data available	Partition coefficient: n-octanol/water: Not applicable
Boiling Point/Range: Not applicable	Auto-ignition Temperature: Not applicable
Flash Point: Not applicable	Decomposition Temperature: Not available
Evaporation Rate: Not applicable	Viscosity: Not applicable
Flammability (solid, gas): Not applicable	Flammable Limits: LEL: Not applicable UEL: Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not reactive

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Keep away from heat and open flames. Avoid hygroscopic conditions and dust formation.

Incompatible Materials: Strong oxidizing agents, strong acids, and strong bases.

Hazardous Decomposition Products: Thermal decomposition will produce oxides of carbon and other toxic or irritating compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: May cause severe eye irritation with pain, tearing, and redness. May cause permanent eye damage.

Skin: Contact with dust may cause skin irritation. May cause an allergic skin reaction (sensitization).

Inhalation: Inhalation of dust may cause nose and upper respiratory tract irritation.

Ingestion: Swallowing may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Chronic Hazards: None known.

Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC, and NTP.

Acute Toxicity Values:

Product ATE: >2000 mg/kg (oral)

Sodium Bicarbonate: Oral rat LD50- >4000 mg/kg, Inhalation rat LC50- >4.74 mg/L/4.5hr

Citronella Oil: Oral rat LD50- 300-<2000 mg/kg, Skin rat LD50->2000 mg/kg

Calcium Silicate: Oral rat LD50- >5000 mg/kg, Inhalation rat LC50->2.08 mg/L/4hr, Skin rabbit LD50- >5000 mg/kg

Calcium Carbonate: Oral rat LD50->2000 mg/kg, Inhalation rat LC50- >3 mg/L/4hr, Skin rat LD50- >2000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Citronella Oil: 96 hr LL50 Oncorhynchus mykiss-7.5 mg/L, 48 hr EL50 Daphnia magna- 6 mg/L

This product is expected to be harmful to the aquatic environment with long-term adverse effects. Releases to the environment should be avoided.

Persistence and Degradability: Biodegradation is not applicable to inorganic compounds.

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: None known

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state, and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
US DOT	None	Not regulated	None	None	Not applicable
IMDG	None	Not regulated	None	None	Not applicable
IATA/ICAO	None	Not regulated	None	None	Not applicable

Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code: Not applicable

Special Precautions for User: Not applicable

SECTION 15: REGULATORY INFORMATION

This chemical is a Minimum Risk Pesticide product exempt from registration by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

FIFRA Labeling:
Keep Out Of Reach of Children
CAUTION

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: See OSHA Hazard Classification in Section 2.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the ingredients in this product are listed on the TSCA inventory or exempt.

SECTION 16: OTHER INFORMATION

Date of Current Revision: May 23, 2022

Revision Summary: New SDS

Date of Previous Revision: N/A

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This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Pertinent Eco-Solutions, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.