



### Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03

Printing Date: March 3, 2020

Revision Date: 2/15/2018

**Product Identifier:** BushDoctor® Force of Nature® Insecticide

#### SECTION 1: IDENTIFICATION

**Product Identifier:** BushDoctor® Force of Nature® Insecticide

**Product Description:** Liquid insecticide, ready to use

**Manufacturer:** United Compost & Organics  
dba FoxFarm Soil & Fertilizer Company  
PO Box 787, Arcata, CA 95518  
1900 Bendixsen Street, Samoa, CA 95564  
foxfarm@foxfarm.com  
(800) 436-9327 or (707) 443-4369 for product information  
www.foxfarm.com

**Emergency Telephone Number:** (707) 443-4369, M-F 8:30am–5:00pm PST.

#### SECTION 2: HAZARD(S) IDENTIFICATION

**Classifications:**

- Flammability – n/a (inherently noncombustible)
- Health – Skin Sensitization, Category 1
  - Eye damage, Category 1
  - Acute toxicity (inhalation), Category 4
  - Acute toxicity (oral), Category 5
- Instability/Reactivity – n/a (stable)
- Environmental – Category 1 (acute hazard to aquatic environment)

**Pictograms:**



**Signal Word:**

Warning

**Hazard Statements:**

- H303 May be harmful if swallowed
- H317 May cause an allergic skin reaction
- H320 Causes eye irritation
- H400 Very toxic to aquatic life

**Precautionary Statements:**

- P102 Keep out of reach of children
- P202 Do not handle until all safety precautions have been read and understood
- P261 Avoid breathing dust/fumes/gas/mist/vapors/spray
- P262 Do not get in eyes, on skin, or on clothing



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- P270 Do not eat, drink, or smoke when using this product
- P273 Avoid release to the environment
- P280 Wear protective gloves, clothing, eye protection, and 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.
- P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage:

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

Dispose of contents/containers in accordance with federal, state, and local regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture

Description: Mixture of the substances listed below with nonhazardous additions.

| Component                  | CAS Number  | %            |
|----------------------------|-------------|--------------|
| Pyrethrins                 | 5-8003-34-7 | 0.02         |
| Piperonyl butoxide         | 51-03-6     | 0.20         |
| 1,2-benzisothiazolin-3-one | 2634-33-5   | Trade secret |
| Sulfuric acid              | 7664-93-9   | Trade secret |
| Lignosulfonic acid         | 8061-51-6   | Trade secret |

SECTION 4: FIRST-AID MEASURES

Inhalation:

Remove from source of exposure to fresh air. Get medical attention if necessary.

Skin Contact:

Remove contaminated clothing. Thoroughly wash off skin with water. Wash contaminated clothing before re-use.

Eye Contact:

Immediately flush eyes with large amounts of water. Remove contact lenses.

Ingestion:



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If swallowed, IMMEDIATELY call a poison control center for treatment advice. Thoroughly wash out mouth and drink plenty of water. Do not induce vomiting. Get medical attention if necessary.

**Notes to Physician:**

Symptoms: Dermal exposure may cause irritation, redness, and/or burning. Prolonged exposure to the skin may cause dermatitis. For skin effects, a highly efficient therapeutic agent for pyrethrin exposure is topical application of tocopherol acetate (vitamin E).

#### SECTION 5: FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:**

Material is non-combustible.

**Specific Hazards During Fire Fighting:**

No further relevant information available.

**Special Protective Equipment for Fire Fighters:**

No special measures required.

**Further Information:**

No further relevant information available.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:**

Avoid contact with skin and eyes. Keep unprotected persons away.

**Protective Equipment:**

Wear gloves and face protection as necessary.

**Environmental Precautions:**

Avoid discharge into the environment. Contains pyrethrins, which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state, and federal regulations.

**Methods of Containment and Cleanup**

Surround spill with containment berms to prevent spreading. Isolate and control access to the release area. Collect product into drums, tanks, etc. via drains, ducts, etc. Use appropriate absorbent material to absorb the spilled material.



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SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Wear personal protective equipment as necessary. Emergency eye wash stations should be in the near proximity to operations presenting a potential splash exposure. Avoid repeated and/or prolonged skin exposure.

Conditions for Safe Storage, Including Incompatibilities:

Keep out of reach of children. Store in a cool, dry, well-ventilated area away from direct sunlight. Avoid overheating. Keep containers tightly closed when not in use.

Further Information:

Use good personal hygiene practices. After handling material wash hands before eating, drinking, smoking, or using toilet facilities. Keep away from foodstuffs and beverages.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with Occupational Exposure Limits (lists that were valid at creation used as basis):

| Component  | CAS Number  | Type        | Value              |
|------------|-------------|-------------|--------------------|
| Pyrethrins | 5-8003-34-7 | ACGIH (TWA) | 5mg/m <sup>3</sup> |
|            |             | OSHA (PEL)  | 5mg/m <sup>3</sup> |

Personal Protective Equipment (PPE)

Engineering Measures:

Ventilate treatment area thoroughly before re-entry.

Eye Protection:

Safety glasses or goggles are recommended where there is a possibility of splashing or spraying. Ensure that eyewash stations are close to the workstation.

Hand Protection:

To prevent skin contact wear water resistant gloves, such as those constructed of nitrile.

Skin and Body Protection:

Wear protective clothing to prevent skin contact. Promptly remove contaminated clothing and launder before re-use.

Respiratory Protection:

Use in well-ventilated areas.

General Protective and Hygienic Practices:

Emergency eye wash capability should be available in the near proximity to operations presenting a potential splash exposure. Avoid repeated and/or prolonged skin exposure. Use

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good personal hygiene practices. Avoid inhaling vapor or mist. After handling material wash hands before eating, drinking, smoking, or using toilet facilities. Keep away from foodstuffs and beverages.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** Clear, slightly tinted liquid**Odor:** Sweet, surfactant odor**Odor Threshold:** Not determined**pH:** 5.9**Specific Gravity (Relative Density):** 0.937**Solubility:** Partially miscible in water**Melting Point/Freezing Point:** Not determined**Initial Boiling Point and Boiling Range:** Not determined**Danger of Explosion:** Material does not present an explosion hazard.**Flammability:** n/a**Flash Point:** n/a**Auto-Ignition Temperature:** Material is not self-igniting.**Decomposition Temperature:** Not determined.**Vapor Pressure:** Not determined.**Vapor Density:** Not determined.**Evaporation Rate:** Not determined.**Viscosity:** Not determined.**Partition Coefficient (n-octanol/water):** Not determined.

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Skin, mouth/nose.

**Immediate Exposure Effects:**

Irritation (skin, inhalation), distress (inhalation).

**Delayed Exposure Effects:**

Irritation at 72 hours (skin). Irritation, clearing within 48 hours (eyes).

**Symptoms of Exposure:**

Irritation, distressed/labored breathing.

**Chronic Toxicity****Relevant Numerical Measure of Toxicity:**

n/a

**Likely Routes of Exposure:**

Skin, mouth/nose.

**Immediate Exposure Effects:**

Irritation (skin, inhalation), distress (inhalation).

**Delayed Exposure Effects:**

Irritation at 72 hours (skin). Irritation, clearing within 48 hours (eyes).

**Symptoms of Exposure:**

May cause irritation, redness, and/or burning. Prolonged exposure may cause dermatitis.

**Carcinogenic Categories****IARC (International Agency for Research on Cancer):**

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None of the ingredients are listed.

**NTP (National Toxicology Program):**

None of the ingredients are listed.

**OSHA (Occupational Safety & Health Administration):**

None of the ingredients are listed.

**SECTION 12: ECOLOGICAL INFORMATION****General Notes:**

This product is toxic to aquatic organisms, including fish and invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters, including sewer systems. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Report spills and releases, as applicable, under federal and state regulations.

**SECTION 13: DISPOSAL CONSIDERATIONS****Disposal:**

Dispose of container and unused contents in accordance with federal, state and local requirements.

**Further Information:**

Do not dispose of in sewage system.

**SECTION 14: TRANSPORT INFORMATION****General Notes:**

Not regulated for transport.

**SECTION 15: REGULATORY INFORMATION****OSHA Hazards**

Subject to "Right-to-Know" legislation in the following states:

Massachusetts: Sulfuric acid (CAS# 7664-93-9)

New Jersey: 1,2-benzisothiazolin-3-one (CAS# 2634-33-5); Lignosulfonic acid (CAS# 8061-51-6)

Pennsylvania: 1,2-benzisothiazolin-3-one (CAS# 2634-33-5)

**TSCA (Toxic Substances Control Act)**

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None of the ingredients are listed.

**California Prop. 65**

Warning, this product contains a chemical known to the State of California to cause cancer: Sulfuric acid (CAS#764-93-9).

**SARA Hazards**

SARA 303: Sulfuric acid (CAS# 7664-93-9) is listed.

**EPA (Environmental Protection Agency)**

This chemical is a pesticide product registered by the EPA 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. The following is the hazard information as required on the pesticide label: CAUTION. Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, and clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear a long-sleeved shirt and long pants, shoes and socks. Wear chemical-resistance gloves and eye protection.

**TLV (Threshold Limit Value Established by ACGIH)**

None of the ingredients are listed.

**NIOSH (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

**SECTION 16: OTHER INFORMATION**

The information and recommendations provided in this Safety Data Sheet are accurate to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. 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. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship.