

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** BIOX 15 EC Line Spray

**Company:** Pace International, LLC  
1011 Western Avenue, Suite 807  
Seattle, WA 98104

**Emergency Phone Number:** 800.424.9300 (CHEMTREC)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Components

None

#### Other Components

CAS #	Component	%	Exposure Limits
8000-34-8	clove oil	15	Not established

### 3. HAZARDS IDENTIFICATION

May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

### 4. FIRST AID MEASURES

**If Swallowed:** Get medical attention immediately. If medical attention is not immediately available, induce vomiting by touching finger to back of throat or giving syrup of ipecac as directed on the package. Do not make an unconscious person vomit.

**If in Eyes:** Wash eyes thoroughly with water for at least 15 minutes. Get medical attention immediately.

**If on Skin:** Wash with soap and water.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Not flammable. Use any means suitable for extinguishing surrounding fire. Water spray may be used to keep fire exposed containers cool.

**Special Exposure Hazards:** None known.

**Special Protective Equipment for Firefighters:** Wear self-contained breathing equipment.



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## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** See Section 8 for personal protection measures.
- Environmental Precautions:** Do not flush to sewer.
- Methods for Cleaning Up:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

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## 7. HANDLING & STORAGE

- Handling:** Good standards of hygiene should be maintained at all times. For personal protection measures, see section 8.
- Storage:** Store in a cool, dry area at room temperature. Keep container tightly closed when not in use.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Protective Clothing:** Wear long sleeved shirt, long pants, shoes, socks and chemical-resistant gloves.
- Respiratory Protection:** Not normally required. A NIOSH-approved respirator with organic vapor cartridge is recommended for use in areas without proper ventilation.
- Eye Protection:** Chemical goggles or full face shield are recommended. Eye fountain and washing facilities should be present at work area.

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## 9. PHYSICAL & CHEMICAL PROPERTIES

- Appearance:** clear yellow liquid
- Odor:** clove spice
- Boiling Point:** No data available
- Flash Point:** Not flammable
- Flammable Limits:** Not applicable
- Explosive Properties:** No data available
- Oxidizing Properties:** No oxidizing properties
- Vapor Pressure:** No data available
- pH (@ 25°C):** 8.6 – 9.2
- Specific Gravity:** 1.17
- Solubility in Water:** dispersible

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## 10. STABILITY & REACTIVITY

- Conditions/Materials to Avoid:** Strong oxidizing agents.
- Hazardous Decomposition Products:** Acrid smoke and fumes may form when heated to decomposition.

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## 11. TOXICOLOGICAL INFORMATION

No data available on the product as formulated. Information is hereby provided for individual formula components previously identified in section 2.



## Clove Oil

**Acute Oral:** LD<sub>50</sub> oral (rat): 2650 mg/kg

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## 12. ECOLOGICAL INFORMATION

No data available

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## 13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Do not discharge into sewers, lakes, streams, or other bodies of water. Consult appropriate regulatory officials for information on disposal.

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## 14. TRANSPORT INFORMATION

Not DOT Regulated

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## 15. REGULATORY INFORMATION

- CA Prop. 65:** This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
- FIFRA:** Biox 15 EC Line Spray is exempt from U.S. EPA registration requirements under section 25(b) of FIFRA.
- SARA 313:** Contains no chemicals subject to SARA Title III Section 313 in quantities sufficient to trigger reporting requirements.
- TSCA:** All components of this product are included or exempt from inclusion in EPA's Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
- WHMIS:** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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## 16. OTHER INFORMATION

**HMIS Ratings:** Health – 1      Flammability – 0      Reactivity – 0

The information herein is believed to be accurate and represents the best information currently available. However, Pace International LLC makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and assumes no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

**MSDS Revision Date:** 5/25/06

**Supersedes:** N/A

