

**SAFETY DATA SHEET**

7103

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name: **Defend-II™**

Product Number: 4610-0340

**Company:** ProActive Solutions® USA, LLC  
301 Bridge St.  
Green Bay, WI 54303

**Telephone:** 1-920-437-8658

**Fax:** 1-920-437-4006

**Emergency Phone #:** 1-800-424-9300 (Chemtrec)

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**OSHA Hazard Classification:** Not Classified

**Signal Word –** None

**Symbol(s) (pictogram(s)) –** None

**Hazard statement(s):**

May be harmful if swallowed. May cause eye irritation.

**Precautionary statement(s):**

Do not eat, drink or smoke while using this product. Wear protective clothing, and eye and face protection.

**Hazards not otherwise classified:** None Known

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

There are no OSHA hazardous materials in this product.

**4. FIRST AID MEASURES**

**General Advice:** May cause eye irritation with corneal injury and result in impairment of vision.

**First Aid:**

**External:** If irritation occurs, flush with plenty of cool, running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Eyes:** Immediately flush with plenty of cool, running water. Remove contact lenses; then continue flushing for at least 15 minutes, holding eyelids apart.

**Internal:** Call a physician immediately. If swallowed, do not induce vomiting. Rinse mouth, then immediately drink one or two large glasses of water or milk. Never give anything by mouth to an unconscious person.

**Inhalation of vapors:** Should not occur with proper use of this product.

**Most important symptoms/effects, acute and delayed:** None known

**Immediate medical attention and special treatment needed, if any:** None known

---

## 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:** Not a fire hazard – Use water.

**Specific hazards from combustion:** None known

**Special protective equipment for fire-fighters:** Good firefighting practices indicate the use of turn-out gear and self-contained breathing apparatus.

---

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Control runoff and isolate discharged material for proper disposal.

**Protective equipment:** Wear appropriate Personal Protective Equipment, such as chemical splash goggles or face shield, chemical apron if desired.

**Emergency procedures:** Follow your company Emergency Response Plan for cleanup procedures.

**Environmental precautions:** Keep spilled material from entering any waterways.

**Methods and materials for containment and cleaning up:** Soak up residue with inert absorbent material. Dispose of according to federal, state and local guidelines.

---

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Avoid contact with eyes, and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

**Conditions for safe storage:** Store in a cool, well-ventilated area out of direct sunlight.

**Incompatibilities:** None known.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**OSHA permissible exposure limit (PEL):** None Established

**American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV):** None Established

**Any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:** None known

**Appropriate engineering controls:** None required.

**Personal protective equipment:**

- **Respiratory protection:** Not normally required.

- **Hand protection:** None needed unless irritation occurs. Then use chemical resistant gloves, which are impervious to this product.
  - **Eye protection:** Chemical splash goggles or face shield.
  - **Skin and body protection:** Chemical apron may be worn.
  - **Hygiene measures:** Wash thoroughly after handling.
- 

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Brown liquid

**Odor:** Iodine

**pH:** 5.50

**Freezing point:** ≤ 32 °F

**Initial boiling point and boiling range:** n/a

**Flash point:** n/a

**Evaporation rate:** n/a

**Flammability:** n/a

**Upper/lower flammability or explosive limits:** n/a

**Vapor pressure:** n/a

**Specific Gravity:** 1.024

**Solubility:** Completely soluble

---

## 10. STABILITY AND REACTIVITY

**Reactivity:** None reactive

**Chemical stability:** Stable

**Possibility of hazardous reactions:** None known

**Conditions to avoid:** None known.

**Incompatible materials:** None known.

**Hazardous decomposition products:** None known

---

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure:** None Known

**Inhalation:** Should not occur.

**Ingestion:** May cause gastrointestinal irritation or ulceration and irritation of the mouth and throat.

**Skin:** Short single exposure may not cause any effect.

**Eye contact:** May cause irritation with corneal injury and result in impairment of vision.

**Symptoms of exposures:** Burning and redness to affected area.

**Delayed and immediate effects:** Irritating to eyes.

**Chronic effects from short- and long-term exposure:** None known

**Numerical measures of toxicity:** 1183 mg/m<sup>3</sup> (Oral - Calculated)

**Potential or suspected carcinogen based upon listing on NTP, IARC, or by OSHA:** Not a suspected carcinogen based on ingredients.

---

## 12. ECOLOGICAL INFORMATION\*

**Ecotoxicity (Aquatic and terrestrial):** Not determined

**Persistence and degradability:** Not determined

**Bioaccumulative potential:** Not determined

**Mobility in soil:** Not determined

**PBT and vPvB assessment:** Not determined

**Other adverse effects:** Not determined

---

## 13. DISPOSAL CONSIDERATIONS\*

**Handling of waste residue:** Neutralize and dilute.

**Methods of disposal:** Dispose of residue according to federal, state and local regulations.

**Disposing of contaminated packaging:** To clean the container before final disposal, empty the remaining contents from this container into application equipment. Fill the container ¼ full with water. Replace and tighten closures. Agitate vigorously or recirculate water for 30 seconds. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Follow Pesticide Disposal instructions for rinsate disposal.

---

## 14. TRANSPORT INFORMATION\*

Not regulated by DOT

**Environmental hazards (e.g., Marine pollutant):** No

---

## 15. REGULATORY INFORMATION\*

**Safety, health and environmental regulations which apply to this chemical.**

**Health Phrases:**

H303: May be harmful if swallowed.

H320: Causes eye irritation

**Precautionary Statements:**

P270: Do not eat, drink or smoke while using this product.

P280: Wear protective gloves, clothing, eye and face protection.

---

## 16. OTHER INFORMATION

**HMIS Classification**

**Health hazard:** 1

**Flammability:** 0

**Reactivity:** 0

**Personal Protection:** A

**NFPA Rating**

**Health hazard:** 1



**Fire: 0**  
**Reactivity Hazard: 0**  
**Special hazards: X**

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, ProActive Solutions® USA, LLC makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining the appropriateness for a particular purpose. Accordingly, ProActive Solutions® USA, LLC will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either expressed or implied, of merchantability fitness for a particular purpose or any other nature are made hereunder with respect to the information set forth herein or the product to which the information refers.

\*Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 (29CFR 1910.1200(g)(2)).

**Employers must ensure that SDSs are readily accessible to employees.**

See Appendix D of 1910.1200 for a detailed description of SDS contents.

Date Prepared/Revised: December 2, 2014

Prepared/Revised By: Bill Jensen