



# Material Safety Data Sheet

## Arbor-OTC Antibiotic

Date of Issue: July 2013 Product No. 28 Gr. 040-7000, 140 Gr. 040-7100

Arborjet, Inc.  
99 Blueberry Hill Rd  
Woburn, MA 01801

In Case of Emergency, CHEM-TEL 1-800-255-3924  
Product information: 1-781-935-9070

### Section 1: Product Identification

**Product Trade Name:** Arbor-OTC  
**EPA Signal Word:** Warning  
**Active Ingredient (% w/w):** Oxytetracycline Hydrochloride 39.6%  
**Chemical Name:**  
**Chemical Class:** Tetracycline Antibiotic  
**EPA Registration Number:** 74578-7

### Section 2: Composition/Information on Ingredients

| Material:                            | CAS No.:  | Percent: | Exposure Limits: |
|--------------------------------------|-----------|----------|------------------|
| Oxytetracycline Hydrochloride*       | 2058-46-0 | 39.6%    | Not Established  |
| Other, non-toxic and non-hazardous** |           | 60.4%    | Not Established  |

\*Active Ingredient

\*\*Other ingredients are any substances other than an active ingredient contained in this product. Other ingredients are either non-hazardous or remain proprietary. Hazards that may be associated with other ingredients are addressed in this document.

### Section 3: Hazards Identification

#### EMERGENCY OVERVIEW

##### WARNING

- AVOID CONTACT WITH EYES, SKIN OR CLOTHING
- AVOID BREATHING DUST
- KEEP OUT OF REACH OF CHILDREN

If ingested may cause diarrhea, abdominal pain or burning, nausea, vomiting, lethargy, increased sensitivity of the skin to sunlight, and fatigue. Ingestion of large amount may cause fatty liver degeneration characterized by nausea, vomiting, high fever, and jaundice.

#### Symptoms of Acute Exposure:

- Targeting Organs:** Liver and Bones  
**Eye:** May cause irritation and may cause eye inflammation.  
**Skin:** May cause irritation.  
**Ingestion:** May cause serious digestive system inflammation if ingested.  
**Inhalation:** May cause irritation to the respiratory system.

**Symptoms of Chronic Exposure:** Possible hypersensitization and blood disorder.

**Cross Sensitivity:** Persons hypersensitive to one tetracycline may be hypersensitive to other tetracyclines also.

**Potentially Aggravated Condition:** Hypersensitivity to material and impaired kidney function.

**Environmental Hazards:** No record.

### Section 4: First Aid Measures

**Eye Contact:** May cause irritation. Flush with copious quantities of water.  
**Skin Contact:** May cause irritation. Flush with copious quantities of water.  
**Ingestion:** May cause irritation. Flush mouth with water. If a person develops a serious hypersensitivity reaction they must receive medical care immediately.  
**Inhalation:** May cause irritation. Remove to fresh air. If person stops breathing give them artificial respiration and get medical attention immediately.

**Note to physician:** For current information about the treatment of overdose, consult a certified Regional Poison Control Center by calling the number listed in your local telephone directory.

### Section 5: Fire Fighting Measures

**Fire and Explosion:** Not expected to fire or explosive hazard.  
**Extinguishing Media:** Use water spray, dry powder or sand, carbon dioxide, or appropriate surrounding fire and materials.

**Special Fire Fighting Procedures:** Fire fighters should wear positive pressed freely breathing devices, complete fire protection clothes and shoes. Use water to cool exposed containers to extinguish fire.

### Section 6: Accidental Release Measures

**Spill Response:** Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using a high efficiency vacuum cleaner. Avoid breathing dust. Place spillage in appropriately-labeled container for disposal. Wash spill site.

### Section 7: Handling and Storage

**Handling:** As a general rule, when handling, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling  
**Storage:** Store in tight, light-resistant container. This material should be handled and stored per label instructions to ensure product integrity. Store in a freezer.

### Section 8: Exposure Controls/Personal Protection

**Max allowed concentration:** No Data

**Way of measurement:** No Data

**Engineering Control:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep risk of inhalation low.

#### Personal Protection

**Respirators:** Use NIOSH-approved respirator in accordance with health/safety regulations.

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles.

**Body:** Wear appropriate chemical resistant overalls and rubber boots and rubber gloves. Avoid any skin exposure.

**Hands:** Wear appropriate gloves.

**Other conditions to avoid:** No smoking, eating or drinking during handling. Change to clean clothes after washing. **Avoid alcoholic beverages 24 hours before and after handling this product.**

### Section 9: Physical and Chemical Properties

**Appearance and Physical State:** Yellow crystalline powder; odorless  
**pH Value:** 2.31 (1% aqueous solution)  
**Melting Point:** 220° C  
**Specific Gravity:** Not Applicable  
**Comparative Concentration (water: 1):** 1.07  
**Density:** 0.57 g/mL  
**Flash Point (C):** No data  
**Solubility:** Soluble in water and sparingly in alcohol and methanol; less soluble in dehydrated alcohol; insoluble in chloroform and in ether.

### Section 10: Stability and Reactivity

**Chemical Stability:** This material is chemical stable.  
**Assortment to Avoid:** Alkalis  
**Conditions to Avoid:** Avoid exposure to heat and light.  
**Decomposition Products:** When heated to decomposition, material emits toxic fumes of NOx and HCL. Emits toxic fumes under fire condition.  
**Hazardous Polymerization:** No record

### Section 11: Toxicology Information

**Acute Oral Toxicity (Rat LD<sub>50</sub>):** LD<sub>50</sub> > 5000 mg/kg  
**Acute Dermal Toxicity (Rat LD<sub>50</sub>):** LD<sub>50</sub> > 5000 mg/kg  
**Acute Inhalation Toxicity (Rat LC<sub>50</sub>):** LC<sub>50</sub> > 1.65 mg/L  
**Eye Irritation Test:** Moderately Irritating  
**Skin Sensitizer:** Product is not considered a contact sensitizer.  
**Dermal Irritation:** Slightly Irritating  
**Mutagenicity:** It was mutagenic in tests with mouse lymphocytes cells with activation. It showed weakly positive results for inducing sister-chromatid exchange in hamster ovary cells with and without activation, but did not induce chromosomal aberrations.

**Reproductive and Developmental Effect:** In humans, oxytetracycline has been associated with congenital abnormalities such as neural tube defect, cleft palate, and heart malformation when used during the second and third months of pregnancy. Staining of teeth may occur in offspring of mothers treated with oxytetracycline during the second and third trimester of pregnancy. Studies in dogs and in rabbits given material resulted in increased frequencies of skeletal and other malformations in the offspring; however, studies in mice showed no increase in congenital defects.

#### Section 12: Ecological Information

**Eco-toxicity:** No data available  
**Eco-decomposition:** No data available  
**Other:** No data available

#### Section 13: Disposal Considerations

**Disposal:** Dispose of waste in accordance with all applicable Federal, State, and local laws.

#### Section 14: Transport Information

**Class No.:** No data available  
**UN No.:** No data available  
**Transporting Mark:** No data available  
**Packing Group:** No data available  
**Packing In:** No data available  
**Storage:** Store in a cool place, keeping away from heat and light.

#### Section 15: Regulatory Information

**U.S. Regulatory Information:** California Prop. 65-Development Toxicity, FIFIRA

**International Regulatory Information:**  
EINECS # 218-161-2  
Hazard code: Xn  
Risk phrases: R20, R21, R22, R63  
Safety phrases: S36/37/39  
Canada: WHMIS Class D-2A

#### Section 16: Other Information

For any non-emergency questions about this product call: 1-781-935-9070

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