

Material Safety Data Sheet

Date of preparation: 1/12/00

Revision: Original

Section 1 – Chemical Product And Company Identification

Product/Chemical Name: Ortho-Tain Positioner[®]

Manufacturer: Ortho-Tain, Inc. – Road 861 Km. 5.0 Barrio Piñas, Toa Alta, Puerto Rico 00953 – Phone: 1-800-468-0737, 1-800-541-6612 – Fax: 787-799-5074

Section 2 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components/Ingredient Name	CAS Number	% wt or % vol

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.

Section 3 – Physical and Chemical Properties

Physical State: Solid	Water Solubility: Essentially Insoluble
Appearance and Odor: Pellets with no odor or very mild non-offensive odor.	Boiling Point: N/A
Odor Threshold: N/A	Melting Point: N/A
Vapor Pressure: N/A	Evaporation Rate: Non-Volatile
Vapor Density (Air=1): N/A	
Specific Gravity (H₂O=1): 1.16	

Section 4 – First Aid Measures

Inhalation: Avoid breathing fine dust.
Eye Contact: Wear safety goggles upon handling.
Skin Contact: None
Ingestion: None
After first aid, get appropriate in-plant, paramedic, or community medical support.
Note to Physicians:
Special Precautions/Procedures: Use self-contained breathing apparatus if degradation occurs due to excessive heat. Stop degradation by water Quench.

Section 5 – Fire-Fighting Measures

Flash Point: N/A	NFPA
Extinguishing Media: Water	
Unusual Fire or Explosion Hazards: N/A	
Hazardous Combustion Products: HCL liberated in combustion.	
Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.	
Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.	

Section 6 – Stability and Reactivity

Stability: Material is stable below temperature of 400°F.
Polymerization: Hazardous polymerization cannot occur.
Chemical Incompatibilities: None

Conditions to Avoid: Excessive heat.
Hazardous Decomposition Products: Hydrogen Chloride.

Section 7 – Health Hazard Data

Toxicity Data:

Routes of Entry/Inhalation: Evolution of HCl, if degradation occurs due to excessive exposure to temperature over 400°F, otherwise no known health hazards during normal processing or use.

NTP: No
IARC Monographs: No
OSHA Regulated: No

Eye Effects: No

Skin Effects: No

Section 8 – Handling and Storage

Handling Precautions: None
Storage Requirements: Store at room temperature.
Regulatory Requirements: None

Section 9 – Accidental Release Measures

Spill/Leak Procedures: Vacuum or Sweep up.
Small Spills: Sweep up.
Large Spills
Containment: None. Do not release into sewers or waterways.
Cleanup: Sweep up.
Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120). Disposal in Accordance with applicable State and Local regulations.

Section 10 – Control Measures

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: None needed during normal processing or use. However, if respirator is used seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear protective eyeglasses or chemical safety goggles, per OSHA eye-and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conduction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Ventilation: Local Exhaust.

Section 11 – Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Section 12 – Other Information

Date Prepared: January 13, 2000.

Revision Notes:

Additional Hazard Rating Systems:

Disclaimer: ORTHO-TAIN, INC. PROVIDES THIS INFORMATION IN ACCORDANCE WITH FEDERAL HAZARDOUS COMMUNICATIONS STANDARD 29 CFR 1910.1200. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE REGARDING THE PRODUCT DESCRIBED OR THE INFORMATION CONTAINED HEREIN. NOTHING STATED HEREIN SHALL BE CONSTRUED AS A RECOMMENDATION OR LICENSED TO USE ANY PRODUCT IN CONFLICT WITH ANY EXISTING PATENTS. ORTHO-TAIN, INC. HAS NO CONTROL OVER PROCESSING CONDITIONS OR END USE, AND EXPRESSLY DISCLAIMS RESPONSIBILITY FOR THE SUITABILITY OF THIS PRODUCT FOR ANY GIVEN APPLICATION, AND FOR DAMAGES RESULTING FROM RELIANCE ON THE INFORMATION CONTAINED HEREIN. THE INFORMATION CONTAINED HEREIN SHALL NOT BE CONSIDERED PART OF THE TERMS OR CONDITIONS OF SALE OF THIS PRODUCT.