

### 1. Product and Company Identification

<b>Product Code:</b>	0003358		
<b>Product Name:</b>	Triton X-100		
<b>Company Name:</b>	Alpha-Tec Systems, Inc.	<b>Phone Number:</b>	1 (360)260-2779
	1311 SE Cardinal Ct Suite 170		
	Vancouver, WA 98683		
<b>Web site address:</b>	Alphatecsystems.com		
<b>Email address:</b>	Regulatory@Alphatecsystems.com		
<b>Emergency Contact:</b>	INFOTRAC		
	International	00-1- (352)323-3500	
<b>Information:</b>	North America	1 (800)535-5053	
<b>Intended Use:</b>	For Laboratory Use Only		
<b>Product List</b>	Triton X-100 20%, Product Codes: X000401, 0004043, 0004045, 0004060.		

### 2. Hazards Identification

<b>GHS Signal Word:</b>	<b>None</b>
<b>GHS Hazard Phrases:</b>	No phrases apply.
<b>GHS Precaution Phrases:</b>	No phrases apply.
<b>GHS Response Phrases:</b>	No phrases apply.
<b>GHS Storage and Disposal Phrases:</b>	No phrases apply.
<b>Potential Health Effects (Acute and Chronic):</b>	Repeated exposure may cause sensitization dermatitis.  Chronic: May cause kidney damage.
<b>Inhalation:</b>	May be harmful if inhaled.
<b>Skin Contact:</b>	May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May be harmful if absorbed through the skin. Causes mild skin irritation.
<b>Eye Contact:</b>	Causes severe eye irritation. Causes redness and pain. Risk of serious damage to eyes.
<b>Ingestion:</b>	May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed. May cause irritation of the digestive tract.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
9002-93-1	Octylphenoxypolyethoxyethanol	10.0 -20.0 %	YM0616666



<b>Respiratory Equipment (Specify Type):</b>	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.
<b>Eye Protection:</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
<b>Protective Gloves:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Engineering Controls (Ventilation etc.):</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas    [ X ] Liquid    [ ] Solid	
<b>Appearance and Odor:</b>	Colorless/Clear. Odorless.	
<b>pH:</b>	No data.	
<b>Melting Point:</b>	6.00 C (42.8 F) - 61.00 C (141.8 F)	
<b>Boiling Point:</b>	200.00 C (392.0 F)	
<b>Flash Pt:</b>	229.00 C (444.2 F)    Method Used: Estimate	
<b>Evaporation Rate:</b>	No data.	
<b>Flammability (solid, gas):</b>	No data available.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.	
<b>Vapor Density (vs. Air = 1):</b>	No data.	
<b>Specific Gravity (Water = 1):</b>	1.013	
<b>Solubility in Water:</b>	No data.	
<b>Octanol/Water Partition Coefficient:</b>	No data.	
<b>Autoignition Pt:</b>	NA	
<b>Decomposition Temperature:</b>	No data.	
<b>Viscosity:</b>	No data.	

### 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ ]    Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	High temperatures, Incompatible materials, Light, Exposure to air, dust generation.
<b>Incompatibility - Materials To Avoid:</b>	Strong reducing agents, Strong acids, Strong oxidizing agents.
<b>Hazardous Decomposition or Byproducts:</b>	Carbon monoxide.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ]    Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

## 11. Toxicological Information

**Toxicological Information:** Epidemiology: No information found.  
Teratogenicity: No information available. Reproductive Effects: Mutagenicity:  
Neurotoxicity: No information available.  
Other Studies:

**Carcinogenicity/Other Information:** CAS# 9002-93-1: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 25322-68-3:  
Not listed by ACGIH, IARC, NTP, or CA Prop 65.

## 12. Ecological Information

**General Ecological Information:** Environmental: No information available.  
Physical: No information available.  
No information found.  
Physical: No information found.

## 13. Disposal Considerations

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
RCRA P-Series: None listed.  
RCRA U-Series: None listed.

## 14. Transport Information

**GHS Classification:** No GHS classifications apply.

**LAND TRANSPORT (US DOT):**  
**DOT Proper Shipping Name:** Not regulated as a hazardous material.  
**DOT Hazard Class:**  
**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**  
**TDG Shipping Name:** Not regulated as a hazardous material.  
**UN Number:**  
**Hazard Class:** **TDG Classification:**

**LAND TRANSPORT (European ADR/RID):**  
**ADR/RID Shipping Name:** Not regulated as a hazardous material.  
**UN Number:**  
**Hazard Class:**

**AIR TRANSPORT (ICAO/IATA):**  
**ICAO/IATA Shipping Name:** Not regulated as a hazardous material.

## 15. Regulatory Information

### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
9002-93-1	Octylphenoxypolyethoxyethanol	No	No	No

### This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Acute toxicity (any route of exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Skin Corrosion or Irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Reproductive toxicity

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Organic peroxide	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Specific target organ toxicity (single or repeated exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Corrosive to metal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Aspiration Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Gas under pressure (compressed gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Simple Asphyxiant
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	In contact with water emits flammable gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Health) Hazard Not Otherwise Classified (HNOC)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Combustible Dust		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Physical) Hazard Not Otherwise Classified (HNOC)		

<b>CAS #</b>	<b>Hazardous Components (Chemical Name)</b>	<b>Other US EPA or State Lists</b>
9002-93-1	Octylphenoxypolyethoxyethanol	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No

## 16. Other Information

**Revision Date:** 11/08/2018

**Preparer Name:** Tim Meehan

**Additional Information About This Product:** No data available.

**This Product:**

**Document & Change Control Number** SDS0196.D CC18-319.