

1. Product and Company Identification

Product Code:	0003480	
Product Name:	XPR-Plus Buffer	
Company Name:	Alpha-Tec Systems, Inc. 1311 SE Cardinal Ct Suite 170 Vancouver, WA 98683	Phone Number: 1 (360)260-2779
Web site address:	Alphatecsystems.com	
Email address:	Regulatory@Alphatecsystems.com	
Emergency Contact:	INFOTRAC International	00-1- (352)323-3500
Information:	North America	1 (800)535-5053
Intended Use:	For Laboratory Use Only	
Product List	XPR-Plus Buffer, Product Code Also Applies To:0003481, 0003482, 0003495.	

2. Hazards Identification

GHS Signal Word:	None
GHS Hazard Phrases:	No phrases apply.
GHS Precaution Phrases:	No phrases apply.
GHS Response Phrases:	No phrases apply.
GHS Storage and Disposal Phrases:	No phrases apply.
Inhalation:	May be harmful if inhaled.
Skin Contact:	May cause skin irritation. May be harmful if absorbed through the skin.
Eye Contact:	May cause eye irritation.
Ingestion:	May cause irritation of the digestive tract. May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
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4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.
In Case of Ingestion:	Do NOT induce vomiting. Get medical aid if irritation or symptoms occur.
Note to Physician:	Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt: NP Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NP

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Flammable Properties and Hazards: No data available.

Hazardous Combustion No data available.

Products:

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8.
 Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.
 Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

7. Handling and Storage

Precautions To Be Taken in Handling: Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Precautions To Be Taken in Storing: Store in a cool, dry place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
Respiratory Equipment (Specify Type):	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.			
Eye Protection:	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.			
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure.			
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.			
Engineering Controls (Ventilation etc.):	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

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

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	dust generation, Exposure to moist air or water.
Incompatibility - Materials To Avoid:	Strong oxidizing agents, Strong acids.
Hazardous Decomposition or Byproducts:	oxides of phosphorus, sodium oxide.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. Toxicological Information

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

Carcinogenicity/Other Information: CAS# 7558-79-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

12. Ecological Information

General Ecological Information: Environmental: No information available.
Physical: No information available.
Other: Do not empty into drains.

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.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):
TDG Shipping Name: Not Regulated.
UN Number:
Hazard Class: **TDG Classification:**

LAND TRANSPORT (European ADR/RID):
ADR/RID Shipping Name: Not Regulated.
UN Number:
Hazard Class:

AIR TRANSPORT (ICAO/IATA):
ICAO/IATA Shipping Name: Not Regulated.

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)
This material meets the EPA [] Yes [X] No Acute (immediate) Health Hazard				
'Hazard Categories' defined [] Yes [X] No Chronic (delayed) Health Hazard				
for SARA Title III Sections [] Yes [X] No Fire Hazard				
311/312 as indicated: [] Yes [X] No Sudden Release of Pressure Hazard				
[] Yes [X] No Reactive Hazard				
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists		

16. Other Information

Revision Date: 12/28/2016

Preparer Name: Tim Meehan

Additional Information About This Product: No data available.

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Company Policy or Disclaimer: Disclaimer

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