



## MATERIAL SAFETY DATA SHEET

### AF SERIES PHOSPHATE CARTRIDGE

**Product Name:** AF-10-3300, AF-20-3300, AF-10-3300-BB, AF-20-3300-BB, AF-10-3323, AF-10-3324, AF-10-3321  
Polyphosphate – Slow Phos

Effective Date: 01/01/12

#### 1. Company Information:

Polyphosphate – Slow Phos

##### 1. Company Name:

Pacific Standard Specialties, Inc.  
Post Office Box 2057  
Claypool, AZ 85532

#### 2. Ingredients:

##### Ingredients:

Sodium Calcium Polyphosphate

##### Chemical Family:

Slowly Soluble Polyphosphate Rev. Date: 10/22/2008

##### TLV

Not Established

##### CAS No:

23209-59-8

#### 3. Physical/Chemical Data:

##### Boiling Point:

N/A

##### Vapor Pressure:

N/A

##### Vapor Density:

N/A

##### Solubility in H<sub>2</sub>O:

Appreciable

##### Density:

1.67 g/mL (approx. 14 lb/gal, 104.25 lb/ft<sup>3</sup> as beads)

##### pH:

(1% solution): 7

##### Appearance:

Glassy beads or crystals

##### Odor:

None

##### Melting Point:

1200°F

#### 4. Fire and Explosion Hazard Data

##### Flash Point & Method:

Not flammable.

##### Autoignition Temperature:

Not flammable.



## **AF Series Phosphate Cartridge**

<b>Flammable Limits in Air:</b>	Not applicable.
<b>Extinguishing Media:</b>	Non-combustible. Use extinguishing media appropriate for surrounding materials.
<b>Special Fire Fighting Procedures:</b>	None required.
<b>Unusual Fire and Explosion Hazards:</b>	None known.

### **5. Reactivity Hazard Data**

<b>Stability:</b>	Stable
<b>Incompatibility / Materials to Avoid:</b>	None.
<b>Conditions to Avoid:</b>	Temperatures over 1000°F. Store material in dry, tightly closed containers.
<b>Hazardous Decomposition Products:</b>	None.
<b>Hazardous Polymerization:</b>	Will not occur.

### **6. Health Hazard Data**

<b>Primary Route of Exposure:</b>	Skin and eye contact.
<b>Effects of Overexposure:</b>	Handle with care; sharp edges may cut skin. May irritate eyes. Keep out of reach of children. No data available on human ingestion.
<b>Carcinogenic Potential:</b>	None.
<b>Other Health Effects:</b>	None known.

### **7. Emergency First Aid Procedures:**

<b>Eyes:</b>	Flush immediately with flowing water. Get medical attention.
<b>Skin:</b>	Wash with soap and of water. Consult a physician if irritation persists.
<b>Ingestion:</b>	If conscious, give large quantities of water and/or milk. Induce vomiting by sticking finger to back of throat. Do not give anything by mouth to an unconscious person. Consult a physician.
<b>Inhalation:</b>	Move person to fresh air.

### **8. Control and Protective Measures**

<b>Respiratory Protection:</b>	None required if used normally. Use MSHA/OSHA approved respirator where mists/vapors are expected.
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<b>Gloves:</b>	Material may have sharp edges; wear gloves adequate to protect from cuts. Wash hands and any other contact points after handling.
<b>Eyes:</b>	Chemical splash proof goggles.
<b>Ventilation:</b>	None required if used normally.

### 9. Handling Precautions

<b>Spills / Disposal :</b>	Sweep or shovel crystals into approved containers. Flush residual with water. Use gloves to protect hands from cuts. Comply with Federal, State and local disposal regulations.
<b>Handling Storage Precautions:</b>	Keep containers dry and tightly closed when not used. Use gloves to protect hands. Wash hands after handling.

### 10. Regulatory Data

<b>DOT Description:</b>	Not regulated
<b>NFPA Rating:</b>	Health 0 Flammability 0 Reactivity 0
<b>TSCA Inventory:</b>	All components are listed on the inventory.
<b>SARA TITLE III</b>	
Sect. 302 Extremely Hazardous Substance:	Not Listed
Section 311 Hazard Category:	N/A
Section 313 Toxic Chemicals List:	Not listed
<b>CERCLA Hazardous Substance List:</b>	Not listed
<b>RCRA:</b>	Not listed
<b>ANSI/NSF:</b>	Certified under the following NSF Standards

NSF Standard 60 – Drinking Water Treatment Chemicals – Health Effects  
NSF Standard 42 – Drinking Water Treatment Units – Aesthetic Effects - Component