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SECTION 1: Identification of the su	ubstance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name	: PHT Smart Start Plus 9-28-3
Product code	: M77075PHT
1.2. Relevant identified uses of the su	bstance or mixture and uses advised against
1.3. Details of the supplier of the safe	ty data sheet
JR Simplot Company	
Boise, ID 83707 T 1-208-336-2110	
1.4. Emergency telephone number	
Emergency number	: CHEMTREC 1-800-424-9300
<b>SECTION 2: Hazards identification</b>	
2.1. Classification of the substance of	mixture
Classification (GHS-US)	
Skin Irrit. 2 H315	
Eye Irrit. 2A H319 STOT SE 3 H335	
Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	GHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing mist, spray, fume</li> <li>P264 - Wash hands thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P280 - Wear eye protection, face protection, protective gloves</li> <li>P302 + P352 - If on skin: Wash with plenty of water</li> <li>P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> <li>P312 - Call a poison control center of doctor for treatment advice if you feel unwell</li> <li>P332 + P313 - If skin irritation occurs: Get medical attention</li> <li>P337 + P313 - If eye irritation persists: Get medical attention</li> <li>P362 - Take off contaminated clothing and wash before reuse</li> <li>P403 + P233 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P405 - Store locked up</li> <li>P501 - Dispose of contents/container to in accordance with Federal, state, and local regulations</li> </ul>
2.3. Other hazards	
No additional information available	

2.4. Unknown acute toxicity (GHS-US)

No data available

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### **SECTION 3: Composition/information on ingredients**

#### 3.1. Substance

### Not applicable

#### 3.2. **Mixture**

Name	Product identifier	%	Classification (GHS-US)
Ammonium Polyphosphate	(CAS No) 68333-79-9		Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H335
tetrapotassium pyrophosphate, anhydrous	(CAS No) 7320-34-5		Not classified
HEDTA iron salt solution	(CAS No) 17084-02-5		Met. Corr. 1, H290 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
urea	(CAS No) 57-13-6		Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H335
phosphoric acid	(CAS No) 7664-38-2		Met. Corr. 1, H290 Skin Corr. 1B, H314
Diammonium Salt of Zinc Ethylene-Diaminetetraacetic	(CAS No) 67859-51-2		Not classified

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effect	ts, both acute and delayed
Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.
4.3. Indication of any immediate medical	attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the sul	ostance or mixture
No additional information available	
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release meas	sures
6.1. Personal precautions, protective eq	uipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Description for the second sector No. 16	

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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6.3.	Methods and material for containn	nent and cleaning up	
Metho	ds for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.	
6.4.	Reference to other sections		
See H	See Heading 8. Exposure controls and personal protection.		
SECT	TION 7: Handling and storage		
7.1.	Precautions for safe handling		
Precau	tions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or	
		smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.	

Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection	<b>SECTION 8: Ex</b>	bosure controls	personal	protection
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8.1. **Control parameters** 

phosphoric acid (7664-38-2)		
USA ACGIH	ACGIH TWA (mg/m³)	1 mg/m³
USA ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	3 mg/m³

8.2. Exposure controls	
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Respiratory protection	: Wear appropriate mask.
Other information	: Do not eat, drink or smoke during use.

<b>SECTION 9: Physical and chemica</b>	l properties	
9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Color	: Green	
Odor	: characteristic	
Odor threshold	: No data available	
рН	: 7-8	
Relative evaporation rate (butyl acetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: No data available	
Vapor pressure	: No data available	
Relative vapor density at 20 °C	: No data available	
Relative density	: No data available	
Density	: 11.59 lbs/gallon	
Solubility	<ul> <li>Complete.</li> <li>Water: Solubility in water of component(s) of the mixture :</li> <li>•: &lt; 15 g/100ml</li> <li>•: 187 g/100ml</li> <li>•: 100 g/100ml</li> <li>•:</li> </ul>	

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Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

SECTIO	ON 10: Stability and reactivity		
10.1.	Reactivity		
No additio	No additional information available		
10.2.	Chemical stability		
Stable. N	Stable. Not established.		
10.3.	Possibility of hazardous reactions		
Not estab	Not established.		
10.4.	Conditions to avoid		
Direct sunlight. Extremely high or low temperatures.			
10.5.	Incompatible materials		
Zinc-clad and copper bearing alloys. Alkalis. Strong acids. Strong bases.			
10.6.	Hazardous decomposition products		
Ammonia, POx and NOx. fume. Carbon monoxide. Carbon dioxide.			

# SECTION 11: Toxicological information 11.1. Information on toxicological effects

: Not classified Acute toxicity PHT Smart Start Plus 9-28-3 LD50 oral rat > 2149 mg/kg LD50 dermal rat > 5000 mg/kg Ammonium Polyphosphate (68333-79-9) LD50 oral rat 5625 mg/kg (Rat) LD50 dermal rabbit > 3160 mg/kg (Rabbit) 5625.0000000 mg/kg body weight ATE US (oral) tetrapotassium pyrophosphate, anhydrous (7320-34-5) LD50 dermal rabbit > 4640 mg/kg (Rabbit) urea (57-13-6) LD50 oral rat 8471 mg/kg (Rat) LD50 dermal rat > 3200 mg/kg (Rat) LD50 dermal rabbit > 21000 mg/kg (Rabbit) ATE US (oral) 8471.0000000 mg/kg body weight phosphoric acid (7664-38-2) 4400 mg/kg (Rat) LD50 oral rat ATE US (oral) 4400.00000000 mg/kg body weight Skin corrosion/irritation : Causes skin irritation. pH: 7 - 8 Serious eye damage/irritation Causes serious eye irritation. pH: 7 - 8 Respiratory or skin sensitization : Not classified

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Germ cell mutagenicity Carcinogenicity	<ul> <li>Not classified</li> <li>Based on available data, the classification criteria are not met</li> <li>Not classified</li> </ul>
Reproductive toxicity Specific target organ toxicity (single exposure)	<ul> <li>Not classified</li> <li>Based on available data, the classification criteria are not met</li> <li>May cause respiratory irritation.</li> </ul>
Specific target organ toxicity (repeated exposure)	<ul> <li>Not classified</li> <li>Based on available data, the classification criteria are not met</li> </ul>
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

### **SECTION 12: Ecological information**

12.1. Toxicity

tetrapotassium pyrophosphate, anhydrous (7320-34-5)				
LC50 fish 1	> 750 mg/l (48 h; Leuciscus idus)			
urea (57-13-6)				
LC50 fish 1	> 6810 mg/l (96 h; Leuciscus idus)			
EC50 Daphnia 1	> 10000 mg/l (48 h; Daphnia magna)			
LC50 fish 2	17500 mg/l (96 h; Poecilia reticulata)			
EC50 Daphnia 2	> 10000 mg/l (24 h; Daphnia magna)			
TLM fish 1	17500 ppm (96 h; Poecilia reticulata)			
Threshold limit other aquatic organisms 1	120000 mg/l (16 h; Bacteria; Toxicity test)			
Threshold limit other aquatic organisms 2	> 10000 mg/l (Pseudomonas putida)			
Threshold limit algae 2	> 10000 mg/l (168 h; Scenedesmus quadricauda)			
phosphoric acid (7664-38-2)				
LC50 fish 1	138 mg/l (96 h; Pisces; Pure substance)			
LC50 other aquatic organisms 1	240 mg/l (96 h; Protozoa; Pure substance)			
LC50 fish 2	100 - 1000 mg/l (Pisces; Pure substance)			
LC50 other aquatic organisms 2	100 - 1000 mg/l (Pure substance)			
TLM fish 1	138 ppm (24 h; Gambusia affinis; Pure substance)			
Threshold limit other aquatic organisms 1	240 mg/l (96 h; Protozoa; Pure substance)			
Threshold limit other aquatic organisms 2	100 - 1000,Pure substance			
12.2. Persistence and degradability				
PHT Smart Start Plus 9-28-3				
Persistence and degradability	Not established.			
Ammonium Polyphosphate (68333-79-9)				
Persistence and degradability	Biodegradability in water: no data available. No (test)data on mobility of the components available. Not established.			
tetrapotassium pyrophosphate, anhydrous	(7320-34-5)			
Persistence and degradability	Biodegradability: not applicable.			
Biochemical oxygen demand (BOD)	Not applicable			
Chemical oxygen demand (COD)	Not applicable			
ThOD	Not applicable			
BOD (% of ThOD)	Not applicable			
HEDTA iron salt solution (17084-02-5)				
Persistence and degradability	Not established.			
urea (57-13-6)				
Persistence and degradability	Inherently biodegradable. Hydrolysis in water. Not established.			

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ThOD     D.27 g O <sub>2</sub> /g substance       phosphorle add (7664-38-2)     Pecification of the components available. Not established.       Bicchamical oxygen demand (BOD)     Not applicable       BOD (% of ThOD)     Not applicable       BOD (% of ThOD)     Not applicable       Persistence and degradability     Not established.       2.3.     Bioaccumulative potential       PHT Smart Start Pues 5-28-3       Bioaccumulative potential     Not established.       Ammonium Polyphosphate (6833-79-9)       Bioaccumulative potential     Not established.       Ammonium Polyphosphate, anhydrous (722-04-5)       Bioaccumulative potential     Not established.       Vertapotassium prophosphate, anhydrous (722-04-5)       Bioaccumulative potential     Not established.       Vertapotassium prophosphates     Not established.	urea (57-13-6)		
Persistence and degradability Biodegradability. not applicable. No (test)data on mobility of the components available. Not estabilished. Chemical oxygen demand (COD) Not applicable Chemical oxygen demand (COD) Not applicable ThOD Not applicable ThOD Not applicable ThOD Not applicable Dimmonium Salt of Zine Ethylene-Diameter zacetic (67859-51-2) Persistence and degradability Not established. 2.3. Bioaccumulative potential Not established. 2.3. Bioaccumulative potential Not established. 2.3. Bioaccumulative potential Not established. 2.4. Mot prophosphate (6333-79-9) Bioaccumulative potential Bioaccumulation data available. Not established. 2.5. Bioaccumulative potential Not established. 2.6. Bioaccumulative potential Bioaccumulation data available. Not established. 2.7. Bioaccumulative potential Bioaccumulation data available. Not established. 2.8. Bioaccumulative potential Bioaccumulation data available. Not established. 2.9. Chemical Science S	ThOD	0.27 g O <sub>2</sub> /g substance	
Persistence and degradability Biodegradability. not applicable. No (test)data on mobility of the components available. Not estabilished. Chemical oxygen demand (COD) Not applicable Chemical oxygen demand (COD) Not applicable ThOD Not applicable ThOD Not applicable ThOD Not applicable Dimmonium Salt of Zine Ethylene-Diameter zacetic (67859-51-2) Persistence and degradability Not established. 2.3. Bioaccumulative potential Not established. 2.3. Bioaccumulative potential Not established. 2.3. Bioaccumulative potential Not established. 2.4. Mot prophosphate (6333-79-9) Bioaccumulative potential Bioaccumulation data available. Not established. 2.5. Bioaccumulative potential Not established. 2.6. Bioaccumulative potential Bioaccumulation data available. Not established. 2.7. Bioaccumulative potential Bioaccumulation data available. Not established. 2.8. Bioaccumulative potential Bioaccumulation data available. Not established. 2.9. Chemical Science S	phosphoric acid (7664-38-2)		
Chemical oxygen demand (COD) Not applicable ThOD Not applicable DO (% of ThOD) Not applicable Do (% of ThOD) Not applicable Do (% of ThOD) Not applicable Persistence and degradability Not established. 2.3. Bioaccumulative potential Not established. PHT Smart Start Plus 9-28-3 Bioaccumulative potential Not established. PHT Smart Start Plus 9-28-3 Bioaccumulative potential Not established. PHT Smart Start Plus 9-28-3 Bioaccumulative potential Not established. tetrapolassium pyrophosphate, anhydrous (7-20-34-5) Bioaccumulative potential Bioaccumulation: not applicable. HETTA iron stat solution (7084-02-5) Bioaccumulative potential Not established. tetrapolassium pyrophosphate, anhydrous (7-20-34-5) Bioaccumulative potential Not established. tetrapolassium pyrophosphate (PB4-02-5) Bioaccumulative potential Not established. tetrapolassium pyrophosphate (PB4-02-5) Bioaccumulative potential Not established. Bioaccumulative potential Bioaccumulation: not applicable. Bioaccumulative potential Bioaccumulation: not applicable. Def fish 1 1 (72 h; Brachydanio rerio; Fresh water) BICF other aquatic organisms 1 11700 (Chorella sp.) Log Peov 2.52 s- 1.59 Bioaccumulative potential Bioaccumulation: not applicable. Not established. phosphoria acid (7664-38-2) Log Peov 0. Diamonum Salt of Zinc Ethylene-Diamineetraacetic (67859-61-2) Bioaccumulative potential Bioaccumulation: not applicable. Not established. Diamonum Salt of Zinc Ethylene-Diamineetraacetic (67859-61-2) Bioaccumulative potential Not established. 2.5. Other adverse effects ffect on ne global varming : No known ecological damage caused by this product. Her information available 2.4. Mobility in soil do additional information available Effect on the global varming : No known ecological damage caused by this product. Her information : Avoid release to the environment. EFCTION 13: DIsposal considerations : Avoid release to the environment. EFCTION 14: Transport information : Avoid release to the environment. EFCTION 14: Tran			
Chemical oxygen demand (COD) Not applicable ThOD Not applicable DO (% of ThOD) Not applicable Do (% of ThOD) Not applicable Do (% of ThOD) Not applicable Persistence and degradability Not established. 2.3. Bioaccumulative potential Not established. PHT Smart Start Plus 9-28-3 Bioaccumulative potential Not established. PHT Smart Start Plus 9-28-3 Bioaccumulative potential Not established. PHT Smart Start Plus 9-28-3 Bioaccumulative potential Not established. tetrapolassium pyrophosphate, anhydrous (7-20-34-5) Bioaccumulative potential Bioaccumulation: not applicable. HETTA iron stat solution (7084-02-5) Bioaccumulative potential Not established. tetrapolassium pyrophosphate, anhydrous (7-20-34-5) Bioaccumulative potential Not established. tetrapolassium pyrophosphate (PB4-02-5) Bioaccumulative potential Not established. tetrapolassium pyrophosphate (PB4-02-5) Bioaccumulative potential Not established. Bioaccumulative potential Bioaccumulation: not applicable. Bioaccumulative potential Bioaccumulation: not applicable. Def fish 1 1 (72 h; Brachydanio rerio; Fresh water) BICF other aquatic organisms 1 11700 (Chorella sp.) Log Peov 2.52 s- 1.59 Bioaccumulative potential Bioaccumulation: not applicable. Not established. phosphoria acid (7664-38-2) Log Peov 0. Diamonum Salt of Zinc Ethylene-Diamineetraacetic (67859-61-2) Bioaccumulative potential Bioaccumulation: not applicable. Not established. Diamonum Salt of Zinc Ethylene-Diamineetraacetic (67859-61-2) Bioaccumulative potential Not established. 2.5. Other adverse effects ffect on ne global varming : No known ecological damage caused by this product. Her information available 2.4. Mobility in soil do additional information available Effect on the global varming : No known ecological damage caused by this product. Her information : Avoid release to the environment. EFCTION 13: DIsposal considerations : Avoid release to the environment. EFCTION 14: Transport information : Avoid release to the environment. EFCTION 14: Tran	Biochemical oxygen demand (BOD)	Not applicable	
TrOD     Not applicable       BOD (% of ThOD)     Not applicable       Diamonium Salt of Zinc Ethylene-Diaminetetracetic (67859-51-2)       Persistence and degradability     Not established.       2.3. Bioaccumulative potential     Not established.       PHT Smatt Star Plus 9-28-3     Bioaccumulative potential       Roaccumulative potential     Not established.       Ammonium Polyphosphate (8333-79-9)     Bioaccumulation data available. Not established.       Bioaccumulative potential     No bioaccumulation data available. Not established.       Eterpatorssillum prophosphate, anhydrous (720-34-5)     Bioaccumulation data available. Not established.       Bioaccumulative potential     Bioaccumulation: not applicable.       HEDT Airon sait solution (17084-02-5)     Bioaccumulation: not applicable.       Bioaccumulative potential     Not established.       wead (7-15-6)     Urg 2h; Brachydanio rerio; Fresh water)       BCF fish 1     1 (72 h; Brachydanio rerio; Fresh water)       BCF Grish 1     1 (72 h; Brachydanio rerio; Fresh water)       BCF Grish 1     1 (72 h; Brachydanio rerio; Fresh water)       BCF Grish 1     1 (72 h; Brachydanio rerio; Fresh water)       BCF Grish 1     1 (72 h; Brachydanio rerio; Fresh water)       BCF Grish 1     1 (72 h; Brachydanio rerio; Fresh water)       BCF Grish 1     1 (72 h; Brachydanio: not applicable. Not established.       Dia			
Diamonium Sati of Zinc Ethylene-Diamineteraacetic (67859-51-2)         Persistence and degradability       Not established.         2.3. Bioaccumulative potential       Not established.         Prit Snart State Plus 9-28-3       Bioaccumulative potential         Pioaccumulative potential       Not established.         Ammonium Polyphosphate (6833-79-9)       Bioaccumulative potential         Bioaccumulative potential       Not bioaccumulation data available. Not established.         Ettrapotassium prophosphate, anhydrous (7320-34-5)       Bioaccumulative potential         Bioaccumulative potential       Bioaccumulative potential       Bioaccumulative potential         BCF fish 1       1 (72 h: Brachydanio rerio: Fresh water)       BCF fish 1         BCF fish 1       1 (72 h: Brachydanio rerio: Fresh water)       BCF Ghor aquatic organisms 1         BCF Ghor aquatic organisms 1       11700 (Chorolla s.p.)       Bioaccumulative potential         Bioaccumulative potential       Bioaccumulation: not applicable. Not established.         Darmonium Salt of Zinc Ethylene-Diamineteraacetic (67859-51-2)       Bioaccumulative potential         Bioaccumulative potential       Not established.         Darmonium Salt of Zinc Ethylene-Diamineteraacetic (67859-51-2)       Bioaccumulative potential         Bioaccumulative potential       Not established.         2.4. Mobility in soil <td>ThOD</td> <td>Not applicable</td>	ThOD	Not applicable	
Persistence and degradability       Not established.         2.3. Bioaccumulative potential       Not established.         PHT Smart Start Plus 9-28-3       Bioaccumulative potential       Not established.         Ammonium Polyphosphate (68333-79-9)       Bioaccumulative potential       No bioaccumulation data available. Not established.         Eterapotassium pyrophosphate, anhydrous (7320-34-5)       Bioaccumulative potential       Bioaccumulative potential         Bioaccumulative potential       Not established.       Mot established.         HEDTA iron salt solution (17084-02-5)       Bioaccumulation: not applicable.         Bioaccumulative potential       Not established.         urea (57-13-4)       EGF fish 1       1 (72 h, Brachydanio rerio, Fresh water)         BCF fish 1       1 (72 h, Brachydanio rerio, Fresh water)       Bioaccumulative potential         Bioaccumulative potential       Bioaccumulation: not applicable. Not established.         Dag Pow       -0.77 (Estimated value)       Bioaccumulative potential         Bioaccumulative potential       Not established.       Bioaccumulative potential         Diacacumulative potential       Not established.       Bioaccumulative potential         Diacacumulative potential       Not established.       Bioaccumulative potential         Diacacumulative potential       Not established.       Bioaccumulati	BOD (% of ThOD)	Not applicable	
Persistence and degradability       Not established.         2.3. Bioaccumulative potential       Not established.         PHT Smart Start Plus 9-28-3       Bioaccumulative potential       Not established.         Ammonium Polyphosphate (68333-79-9)       Bioaccumulative potential       No bioaccumulation data available. Not established.         Eterapotassium pyrophosphate, anhydrous (7320-34-5)       Bioaccumulative potential       Bioaccumulative potential         Bioaccumulative potential       Not established.       Meterapotassium pyrophosphate, anhydrous (7320-34-5)         Bioaccumulative potential       11720 (Chiorelia sp.)       Bioaccumulative potential       Bioaccumulation: not applicable. Not established.         Bioaccumulative potential       Bioaccumulation: not applicable. Not established.       Diboaccumulative potential       Bioaccumulation: not applicable. Not established.         Diamonium Satt of Zinc Ethylene-Diaminetetracetic (67859-51-2)       Bioaccumulative potential       Not established.         Diamonium Satt of Zinc Ethylene-Diaminetetracetic (67859-51-2)       Bioaccumulative po	Diammonium Salt of Zinc Ethylene-Diam	inetetraacetic (67859-51-2)	
PHT Smart Start Plus 9-28-3         Bloaccumulative potential       Not established.         Ammonium Polyphosphate (68333-79-9)         Bloaccumulative potential       No bioaccumulation data available. Not established.         tetrapotassium pyrophosphate, anhydrous (7320-34-5)         Bloaccumulative potential       Bioaccumulation: not applicable.         HEDTA iron sait solution (17084-02-5)         Bicaccumulative potential       Not established.         urea (57-13-6)         BCF fish 1       1 (72 h: Brachydanio rerio; Fresh water)         BCF other aquatic organisms 1       11700 (Chlorella sp.)         Log Pow       -2.59 - 1.59         Bioaccumulative potential       Bioaccumulation: not applicable. Not established.         Phosphoric acid (7664-38-27)       Eloacumulation: not applicable. Not established.         Diamonium Salt of Zinc Ethylene-Diaminetetraacetic (67859-51-2)       Bioaccumulative potential         Bioaccumulative potential       Not established.         2.4       Mobility in soil       o additional information available         2.5.       Other adverse effects         ffect on azone layer       : No known ecological damage caused by this product.         the information       : Avoid release to the environment.         ECTION 13: Disposal considerations       : Dispose in a safe manner in ac			
PHT Smart Start Plus 9-28-3         Bloaccumulative potential       Not established.         Ammonium Polyphosphate (68333-79-9)         Bloaccumulative potential       No bioaccumulation data available. Not established.         tetrapotassium pyrophosphate, anhydrous (7320-34-5)         Bloaccumulative potential       Bioaccumulation: not applicable.         HEDTA iron sait solution (17084-02-5)         Bicaccumulative potential       Not established.         urea (57-13-6)         BCF fish 1       1 (72 h: Brachydanio rerio; Fresh water)         BCF other aquatic organisms 1       11700 (Chlorella sp.)         Log Pow       -2.59 - 1.59         Bioaccumulative potential       Bioaccumulation: not applicable. Not established.         Phosphoric acid (7664-38-27)       Eloacumulation: not applicable. Not established.         Diamonium Salt of Zinc Ethylene-Diaminetetraacetic (67859-51-2)       Bioaccumulative potential         Bioaccumulative potential       Not established.         2.4       Mobility in soil       o additional information available         2.5.       Other adverse effects         ffect on azone layer       : No known ecological damage caused by this product.         the information       : Avoid release to the environment.         ECTION 13: Disposal considerations       : Dispose in a safe manner in ac	2.3. Bioaccumulative potential		
Bloaccumulative potential       Not established.         Ammonium Polyphosphate (68333-79-9)         Bloaccumulative potential       No bioaccumulation data available. Not established.         tetrapotassium pyrophosphate, anhydrous (7320-34-5)         Bloaccumulative potential       Bloaccumulation: not applicable.         HEDTA iron salt solution (17084-02-5)         Bloaccumulative potential       Not established.         urea (57-13-6)         BCF fish 1       1 (72 h; Brachydanio rerio; Fresh water)         BCF other aquatic organisms 1       11700 (Chlorella sp.)         Log Pow       -2.59 - 1.59         Bloaccumulative potential       Bioaccumulation: not applicable. Not established.         prosphoric acid (7664-38-2)       -0.77 (Estimated value)         Bloaccumulative potential       Bioaccumulation: not applicable. Not established.         Dlammonium Salt of Zinc Ethylene-Dlaminetetraacetic (67859-51-2)       Bioaccumulative potential         Bioaccumulative potential       Not established.         2.5.       Other adverse effects         ffect on ozone layer       : No additional information available         2.5.       Other adverse effects         ffect on the global warming       : No known ecological damage caused by this product.         ether information       : Avoid release to the environment.			
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	other information	: No supplementary information available.	

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### ADR

Transport document description

### Transport by sea

No additional information available

#### Air transport

No additional information available

SECTION 15: Regulatory information			
15.1. US Federal regulations			
All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory except for:			
HEDTA iron salt solution	CAS No 17084-02-5	C>=1.00% ; C<=3.00%	

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

phosphoric acid (7664-38-2)	
Not listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	5000 lb

#### 15.2. International regulations

#### **CANADA**

No additional information available

### **EU-Regulations**

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

### Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

**15.2.2.** National regulations No additional information available

### 15.3. US State regulations

### phosphoric acid (7664-38-2)

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16: Other information

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

: None.

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#### Full text of H-phrases: see section 16:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Met. Corr. 1	Corrosive to metals Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H290	May be corrosive to metals

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H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H320	Causes eye irritation
H335	May cause respiratory irritation

### SDS US (GHS HazCom 2012)

Disclaimer: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.