

# SAFETY DATA SHEET

Creation Date 31-Jan-2012

Revision Date 29-Mar-2024

**Revision Number** 3

1. Identification

**Product Name** 

# Potassium phosphate monohydrate

Cat No. :

CAS No Synonyms 41586

27176-10-9

 onyms
 Tripotassium phosphate monohydrate; Phosphoric acid, tripotassium salt, monohydrate.

Recommended Use Uses advised against

Laboratory chemicals. Food, drug, pesticide or biocidal product use.

## Details of the supplier of the safety data sheet

<u>Company</u>

Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757

### **Emergency Telephone Number**

For information **US** call: 001-800-227-6701 / **Europe** call: +32 14 57 52 11 Emergency Number **US**:001-201-796-7100 / **Europe:** +32 14 57 52 99 **CHEMTREC** Tel. No. **US**:001-800-424-9300 / **Europe:**001-703-527-3887

## 2. Hazard(s) identification

### **Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious Eye Damage/Eye Irritation Specific target organ toxicity (single exposure) Target Organs - Respiratory system. Category 1 Category 3

#### Label Elements

Signal Word Danger

Hazard Statements

Causes serious eye damage May cause respiratory irritation



# **Precautionary Statements**

### Prevention

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

#### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTER or doctor/physician if you feel unwell

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician

### Storage

Store in a well-ventilated place. Keep container tightly closed

Store locked up

## Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None identified

# 3. Composition/Information on Ingredients

Component	CAS No	Weight %
Potassium phosphate monohydrate	27176-10-9	>95
Phosphoric acid, tripotassium salt	7778-53-2	-

4. First-aid measures						
General Advice	If symptoms persist, call a physician.					
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.					
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention.					
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention.					
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.					
Most important symptoms and effects	None reasonably foreseeable. Causes eye burns Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation					
Notes to Physician	Treat symptomatically					

5. Fire-fighting measures

**Unsuitable Extinguishing Media** 

No information available

Flash Point Method -	No information available No information available
	No information available
Autoignition Temperature Explosion Limits	
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact	t No information available
Sensitivity to Static Discharge	No information available

### **Specific Hazards Arising from the Chemical**

Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Corrosive material. In the event of fire and/or explosion do not breathe fumes.

### **Hazardous Combustion Products**

Oxides of phosphorus. Phosphorus trihydride (phosphine). Thermal decomposition can lead to release of irritating gases and vapors.

## **Protective Equipment and Precautions for Firefighters**

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

<u>NFPA</u> Health	Flammability	Instability	Physical hazards				
3	0	0	N/A				
	6. Accidental re	lease measures					
Personal Precautions	Use personal protective ec formation.	uipment as required. Ensure ac	lequate ventilation. Avoid dust				
Environmental Precautions		o the environment. See Section	12 for additional Ecological				
Methods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Keep in suitable, closedUpcontainers for disposal.							
7. Handling and storage							
Handling		equipment/face protection. Avoid g. Ensure adequate ventilation.	d dust formation. Do not get in Avoid ingestion and inhalation.				
Storage.	Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Acids. Strong oxidizing agents.						
8. E	•	/ personal protection					
Exposure Guidelines		ain any hazardous materials wi gion specific regulatory bodies.	th occupational exposure				
Engineering Measures	Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location.						
Personal Protective Equipment							
Eye/face Protection	Tight sealing safety goggle	es. Face protection shield.					
Skin and body protection	Wear appropriate protectiv	e gloves and clothing to preven	t skin exposure.				
Respiratory Protection	Follow the OSHA respirate	r regulations found in 29 CFR 1	910.134 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.
Recommended Filter type:	Particulates filter conforming to EN 143.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

# 9. Physical and chemical properties

Physical State	Powder Solid
Appearance	White
Odor	Odorless
Odor Threshold	No information available
рН	Strongly basic 12.5-14
Melting Point/Range	1340 °C / 2444 °F
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	Not applicable
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	No information available
Solubility	Soluble in water
Partition coefficient; n-octanol/wa	
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	Not applicable
Molecular Formula	K3 O4 P . H2 O
Molecular Weight	230.28

# 10. Stability and reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under recommended storage conditions.
Conditions to Avoid	Incompatible products. Excess heat. Avoid dust formation.
Incompatible Materials	Acids, Strong oxidizing agents
Hazardous Decomposition Product	s Oxides of phosphorus, Phosphorus trihydride (phosphine), Thermal decomposition can lead to release of irritating gases and vapors
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

11. Toxicological information

## Acute Toxicity

# Product Information

Component Information			
Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric acid, tripotassium salt	>2000 mg/kg (Rat)	>4640 mg/kg (Rabbit)	Not listed
Toxicologically Synergistic	No information available		
Products			

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation Causes severe burns by all exposure routes
---

Sensitization No information available

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Potassim phosphate       27176-10-9       Not listed       Not l	Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico			
Phosphore add, tripotassium 2007         7778-53-2         Not listed         Not listed <th>Potassium phosphate</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Potassium phosphate									
tripoidsium sait         No information available           Advidagenic Effects         No information available.           Reproductive Effects         No information available.           Developmental Effects         No information available.           STOT - single exposure         Respiratory system           STOT - single exposure         No information available.           STOT - repeated exposure         No information available           Symptoms / effects,both acute and lelayed         Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation           Endocrine Disruptor Information         No information available           Other Adverse Effects         The toxicological properties have not been fully investigated.           Do not empty into drains.         Persistence and Degradability           Soluble in water Persistence is unlikely based on information available.         No information available.           Mobility         Will likely be mobile in the environment due to its water solubility.           Asste Disposal Methods         Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste regulations to ensure complete and accurate classification.           DOT         Not regulated         Not regulated <t< th=""><th></th><th>7770 50 0</th><th>Net listed</th><th>Net lists d</th><th>Not lists d</th><th>Net listed</th><th>Net lists d</th></t<>		7770 50 0	Net listed	Net lists d	Not lists d	Net listed	Net lists d			
Mutagenic Effects         No information available           Reproductive Effects         No information available.           Developmental Effects         No information available.           STOT - single exposure         Respiratory system           STOT - repeated exposure         Respiratory system           STOT - repeated exposure         No information available.           Stration hazard         No information available           Symptoms / effects,both acute and Producti is a corrosive material. Use of gastric lavage or emesis is contraindicated.           Prospitable perforation of stomach or esophagus should be investigated. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation causes severe swelling, severe damage to the delicate tissue and danger of perforation causes severe swelling, severe damage to the delicate tissue and danger of perforation causes severe swelling, severe damage to the delicate tissue and danger of perforation causes severe swelling, severe damage to the delicate tissue and danger of perforation causes severe swelling, severe damage to the delicate tissue and danger of perforation available.           Date of the Adverse Effects         The toxicological properties have not been fully investigated.           Stotoxicity         Do not empty into drains.           Persistence and Degradability         Soluble in water Persistence is unlikely based on information available.           Mobility         Will likely be mobile in the environment due to its water solubility.           3. Dis		1118-53-2	NOT listed	Not listed	Not listed	Not listed	Not listed			
Developmental Effects         No information available.           Peratogenicity         No information available.           STOT - single exposure         Respiratory system           No information available.         No information available.           STOT - single exposure         No information available.           STOT - single exposure         No information available           Strotton hazard         No information available           Symptoms / effects,both acute and leave to a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation           Endocrine Disruptor Information         No information available           Date Adverse Effects         The toxicological properties have not been fully investigated.           Ecotoxicity         Soluble in water Persistence is unlikely based on information available.           No information available.         No information available.           Mobility         Will likely be mobile in the environment due to its water solubility.           Soluble in waste generators must also consult local, regional, and national hazardous waste generators must also consult local, regional, and national hazardous waste generators must also consult local, regional, and national hazardous waste generators must also consult local, regional, and national hazardous waste generators must also consult local, regional, and national hazardous wast	Mutagenic Effects		No information a	vailable	l					
Developmental Effects         No information available.           Peratogenicity         No information available.           STOT - single exposure         Respiratory system           No information available.         No information available.           STOT - single exposure         No information available.           STOT - single exposure         No information available           Strotton hazard         No information available           Symptoms / effects,both acute and leave to a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation           Endocrine Disruptor Information         No information available           Date Adverse Effects         The toxicological properties have not been fully investigated.           Ecotoxicity         Soluble in water Persistence is unlikely based on information available.           No information available.         No information available.           Mobility         Will likely be mobile in the environment due to its water solubility.           Soluble in waste generators must also consult local, regional, and national hazardous waste generators must also consult local, regional, and national hazardous waste generators must also consult local, regional, and national hazardous waste generators must also consult local, regional, and national hazardous waste generators must also consult local, regional, and national hazardous wast	Poproductivo Effoct		No information available.							
Feratogenicity       No information available.         STOT - single exposure STOT - repeated exposure None known       Respiratory system No information available         Symptoms / effects,both acute and lefayed       Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation         Endocrine Disruptor Information       No information available         Dater Adverse Effects       The toxicological properties have not been fully investigated.         Ecotoxicity Do not empty into drains.       Soluble in water Persistence is unlikely based on information available.         No information available.       No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         Asste Disposal Methods       Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         Dot TOG       Not regulated MoG/MO         Not regulated       Not regulated MoG/MO         Mod regulated       Not regulated MoG/MO         Not regulated       Not regulated MoG/MO		.5	No information a	valiable.						
STOT - single exposure       Respiratory system         StoT - repeated exposure       Non information available         Aspiration hazard       No information available         Symptoms / effects,both acute and telayed       Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation         Endocrine Disruptor Information       No information available         Other Adverse Effects       The toxicological properties have not been fully investigated.         Ecotoxicity Do not empty into drains.       Soluble in water Persistence is unlikely based on information available.         No biformation available.       No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         Sloaccumulation/ Accumulation       No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         Maste Disposal Methods       Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         DOT       Not regulated         ModefMo       Not regulated         MDG/MO       Not regulated	Developmental Effe	cts	No information a	vailable.						
STOT - repeated exposure       None known         Aspiration hazard       No information available         Symptoms / effects,both acute and felayed       Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation         Endocrine Disruptor Information       No information available         Dather Adverse Effects       The toxicological properties have not been fully investigated.         Ecotoxicity Do not empty into drains.       Soluble in water Persistence is unlikely based on information available.         No information available.       No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         Sioaccumulation/ Accumulation       No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         Maste Disposal Methods       Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         DOT       Not regulated MDG/MO       Not regulated Not regulated         JDA       Not regulated Not regulated       IS. Regulatory information         JNot regulated       JS. Regulatory information	Teratogenicity		No information a	vailable.						
Symptoms / effects,both acute and Broduct is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation         Endocrine Disruptor Information       No information available         Date Adverse Effects       The toxicological properties have not been fully investigated.         Ecological information       20. Ecological information         Soluble in water Persistence is unlikely based on information available.       No information available.         No information available       No information available.         Soluble in water Persistence is unlikely based on information available.       No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         13. Disposal considerations       Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         200T       Not regulated Not regulated Not regulated Not regulated         MDG/MO       Not regulated Not regulated         T13. Regulatory information       15. Regulatory information				em						
Idelayed       Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation         Endocrine Disruptor Information       No information available         Dather Adverse Effects       The toxicological properties have not been fully investigated.         Ecotoxicity       Do not empty into drains.         Persistence and Degradability       Soluble in water Persistence is unlikely based on information available.         No information available.       No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         30 accumulation/ Accumulation       No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         31. Disposal considerations       Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         DOT       Not regulated         MoD/IMO       Not regulated         Not regulated       Not regulated	Aspiration hazard	No information available								
Other Adverse Effects       The toxicological properties have not been fully investigated.         12. Ecological information         Ecotoxicity         Do not empty into drains.         Persistence and Degradability         Soluble in water Persistence is unlikely based on information available.         No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         13. Disposal considerations         Moster Disposal Methods       Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         20T       Not regulated         ATA       Not regulated         MDG/IMO       Not regulated	Symptoms / effects delayed	Possible perforation of stomach or esophagus should be investigated: Ingestion causes								
12. Ecological information         Ecotoxicity         Do not empty into drains.         Persistence and Degradability       Soluble in water Persistence is unlikely based on information available.         Bioaccumulation/ Accumulation       No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         13. Disposal considerations         Naste Disposal Methods         Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         14. Transport information         DOT       Not regulated         Not regulated       Not regulated         MDG/IMO       Not regulated         MDG/IMO       Not regulated         J15. Regulatory information	Endocrine Disrupto	docrine Disruptor Information No information available								
Ecotoxicity       On not empty into drains.         Persistence and Degradability       Soluble in water Persistence is unlikely based on information available.         Bioaccumulation/ Accumulation       No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         13. Disposal considerations         Naste Disposal Methods       Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         201       Not regulated         Not regulated       Not regulated         MDG/IMO       Not regulated	ther Adverse Effects The toxicological properties have not been fully investigated.									
Ecotoxicity       On not empty into drains.         Persistence and Degradability       Soluble in water Persistence is unlikely based on information available.         Bioaccumulation/ Accumulation       No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         13. Disposal considerations         Naste Disposal Methods       Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         201       Not regulated         Not regulated       Not regulated         MDG/IMO       Not regulated	12 Ecological information									
Do not empty into drains.         Persistence and Degradability       Soluble in water Persistence is unlikely based on information available.         Bioaccumulation/ Accumulation       No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         13. Disposal considerations         Naste Disposal Methods       Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         14. Transport information         DOT       Not regulated         Not regulated       Not regulated         MDG/IMO       Not regulated         T15. Regulatory information       15. Regulatory information	5									
Bioaccumulation/ Accumulation       No information available.         Mobility       Will likely be mobile in the environment due to its water solubility.         13. Disposal considerations         Waste Disposal Methods       Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         00T       Not regulated         Not regulated       Not regulated         Not regulated       Not regulated         MDG/IMO       Not regulated         15. Regulatory information         Jited States of America Inventory	Ecotoxicity Do not empty into drains.									
Mobility       Will likely be mobile in the environment due to its water solubility.         13. Disposal considerations         Waste Disposal Methods         Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         14. Transport information         DOT       Not regulated         TDG       Not regulated         MDG/IMO       Not regulated         15. Regulatory information         United States of America Inventory	<b>Persistence and Degradability</b> Soluble in water Persistence is unlikely based on information available.									
Naste Disposal Methods         Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         14. Transport information         DOT         Not regulated         Not	Bioaccumulation/ Accumulation No information available.									
Waste Disposal Methods       Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.         14. Transport information         DOT       Not regulated         TDG       Not regulated         MDG/IMO       Not regulated         15. Regulatory information	Nobility Will likely be mobile in the environment due to its water solubility.									
hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.          14. Transport information         OOT       Not regulated         TDG       Not regulated         ATA       Not regulated         MDG/IMO       Not regulated         15. Regulatory information	13. Disposal considerations									
DOT       Not regulated         TDG       Not regulated         ATA       Not regulated         MDG/IMO       Not regulated         15. Regulatory information	Vaste Disposal Methods         Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Chemical waste generators must also consult local, regional, and						gional, and			
TDG       Not regulated         ATA       Not regulated         MDG/IMO       Not regulated         15. Regulatory information			14. Tra	nsport inf	ormation					
ATA       Not regulated         MDG/IMO       Not regulated         15. Regulatory information         Jnited States of America Inventory	DOT									
MDG/IMO         Not regulated           15. Regulatory information										
15. Regulatory information United States of America Inventory										
Jnited States of America Inventory				ulatory int	formation					
			is. Reg	ulatory III						
Component CAS No TSCA TSCA Inventory notification - TSCA - EPA Regulatory	United States of Am	erica Inventory								
	Component		CAS No	TSCA	TSCA Inventory not	ification - TSCA	A - EPA Regulatory			

			Active-Inactive	Flags
Potassium phosphate monohydrate	27176-10-9	-	-	-
Phosphoric acid, tripotassium salt	7778-53-2	Х	ACTIVE	-

Legend:

**TSCA** US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710) X - Listed '-' - Not Listed

#### TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT)

TSCA 12(b) - Notices of Export

### Not applicable

Not applicable

### International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Potassium phosphate	27176-10-9	-	-	-	Х	-		-	-	-
monohydrate										
Phosphoric acid, tripotassium salt	7778-53-2	Х	-	231-907-1	Х	Х	Х	Х	Х	KE-34771

KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
<b>OSHA</b> - Occupational Safety and Health Administration	Not applicable

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65	This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-Know Regulations	Not applicable
U.S. Department of Transportation	

Reportable Quantity (RQ):	Ν
DOT Marine Pollutant	Ν

## DOT Severe Marine Pollutant N

U.S. Department of Homeland This product does not contain any DHS chemicals. Security

### Other International Regulations

Mexico - Grade No information available

Authorisation/Restrictions according to EU REACH Not applicable

Component		REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	on Certain Dangerous	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
Potassium phosphate monohydrate	27176-10-9	-	-	-
Phosphoric acid, tripotassium salt	7778-53-2	-	-	-

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Potassium phosphate monohydrate	27176-10-9	Not applicable	Not applicable	Not applicable	Not applicable
Phosphoric acid, tripotassium salt	7778-53-2	Listed	Not applicable	Not applicable	Not applicable

## Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)?

Not applicable

### Other International Regulations

Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
Potassium phosphate monohydrate	27176-10-9	Not applicable	Not applicable	Not applicable	Not applicable
Phosphoric acid, tripotassium salt	7778-53-2	Not applicable	Not applicable	Not applicable	Not applicable

	16. Other information
Prepared By	Health, Safety and Environmental Department Email: chem.techinfo@thermofisher.com www.thermofisher.com
Creation Date Revision Date Print Date Revision Summary	31-Jan-2012 29-Mar-2024 29-Mar-2024 New emergency telephone response service provider.
Disclaimer	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the

date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

# **End of SDS**