Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • **Trisodium Phosphate, Dodecahydrate**

Synonyms . Phosphoric acid, trisodium salt dodecahydrate; Sodium Orthophosphate Dodecahydrate; Tribasic sodium phosphate

CAS Number . 10101-89-0

SDS Number/Grade . 11

Product Description . White granules with no odor.

Molecular Weight . 1560

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s) . Emulsifier for processed cheese. Baking agent for cereals. Buffer for processed foods. Water Treatment: To precipitate hardness salts and to adjust alkalinity in boiling water. Corrosion control. Widely used in cleaning compounds of all types as a source of alkali and for its free rinsing properties.

1.3 Details of the supplier of the safety data sheet

Supplier . Skyhawk Chemicals, Inc
701 N. Post Oak Rd., Ste. 540
Houston, TX 77024
Phone: 713-957-2200 / 800-535-2847
Fax: 713-957-0345
Email: order@skyhawkchemicals.com

1.4 Emergency telephone number

• Chemtrec USA 800-424-9300
ACCT# CCN721839

Section 2: Hazards Identification

EU/EEC

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP . Skin Irritation 2 - H315 Serious
Eye Damage 1 - H318
Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335

DSD/DPD . Corrosive (C)
R35

2.2 Label Elements

CLP

DANGER

Hazard statements . H315 - Causes skin irritation
H318 - Causes serious eye damage
H335 - May cause respiratory irritation

Precautionary statements

Prevention . P260 - Do not breathe dust.
P264 - Wash thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response . P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P321 - Specific treatment, see supplemental first aid information.
P363 - Wash contaminated clothing before reuse.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Storage/Disposal . P405 - Store locked up.
P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

DSD/DPD

Risk phrases . R35 - Causes severe burns.

Safety phrases . S36 - Wear suitable protective clothing.
S37 - Wear suitable gloves.
S39 - Wear eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3 Other Hazards

CLP . According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD . This product is considered dangerous according to the European Directive 67/548/EEC.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012 . Skin Irritation 2 - H315 Serious Eye Damage 1 - H318
Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335

2.2 Label elements

OSHA HCS 2012

DANGER

Hazard statements . Causes skin irritation - H315
Causes serious eye damage - H318
May cause respiratory irritation - H335

Precautionary statements

Prevention . Do not breathe dust. - P260
Wash thoroughly after handling. - P264
Use only outdoors or in a well-ventilated area. - P271
Wear protective gloves/protective clothing/eye protection/face protection. - P280

Response . IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. - P304+P340
Call a POISON CENTER or doctor/physician if you feel unwell. - P312
If on skin: Wash with plenty of water.
Specific treatment, see supplemental first aid information. - P321
Take off contaminated clothing and wash before reuse. - P362
If skin irritation occurs: Get medical advice/attention. - P332+P313
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
Immediately call a POISON CENTER or doctor/physician. - P310

Storage/Disposal . Store in a well-ventilated place. Keep container tightly closed. - P403+P233
Store locked up. - P405
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

2.3 Other hazards

OSHA HCS2012 . Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS . Corrosive - E
Other Toxic Effects - D2B

2.2 Label elements

WHMIS

. Corrosive - E
Other Toxic Effects - D2B

2.3 Other hazards

WHMIS . In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

Composition					
Chemical Name	**Identifiers**	**%**	**LD50/LC50**	**Classifications According to Regulation/Directive**	**Comments**
Phosphoric acid, trisodium salt, dodecahydrate	**CAS:**10101-89-0	100%	Ingestion/Oral-Rat LD50 • 7400 mg/kg	**EU DSD/DPD:** Self Classified: C, R35 **EU CLP:** Self Classified: Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3: Resp. Irrit., H335 **OSHA HCS 2012:** Skin Irrit. 2; Eye Dam. 1; STOT SE 3: Resp. Irrit.	NDA

3.2 Mixtures

- Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention.

Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing. Wash contaminated clothing before reuse. For minor skin contact, avoid spreading material on unaffected skin. Get medical attention.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist. If the physician is not immediately available, eye irrigation should be continued for an additional 15 minutes. If it is necessary to transport the patient to a physician and the eye needs to be bandaged, use a dry sterile cloth pad and cover both eyes.

Ingestion

- If swallowed give 2-3 glasses of water if victim is conscious and alert. Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

4.4 Other information

- Call 911 or emergency medical service. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Keep victim warm and quiet.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media . Not combustible. Use extinguishing media suitable for surrounding fire.

Unsuitable Extinguishing Media . None known.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards . Not combustible.
Under fire conditions, toxic, corrosive fumes are emitted.

Hazardous Combustion Products . Oxides of sodium, oxides of phosphorus.

5.3 Advice for firefighters

. Wear positive pressure self-contained breathing apparatus (SCBA).
Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
Keep unauthorized personnel away.
Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.
Persons who may have been exposed to contaminated smoke should be immediately examined by a physician and checked for symptoms of poisoning. The symptoms should not be mistaken for heat exhaustion or smoke inhalation.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions . Wear appropriate protective gear for the situation to avoid exposure. Ventilate enclosed areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures . Keep unauthorized personnel away.

6.2 Environmental precautions

. Runoff from fire control or dilution water may cause pollution. Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures . Sweep or vacuum up and place in an appropriate closed container.
Clean up residual material by washing area with water and detergent. Collect washings for disposal.

6.4 Reference to other sections

. Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling . Use only with adequate ventilation. Handle and open container with care. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing dust. Avoid direct or prolonged contact with skin and eyes. Do not ingest. Potentially deadly carbon monoxide gas can form in enlosed areas or tanks when alkaline products contact materials that contain sugars. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage . Keep container tightly closed. Keep away from incompatible materials. Store in an area that is room temperature, well-ventilated and isolated from all toxic and harmful substances.

7.3 Specific end use(s)

. Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	**ACGIH**	**Argentina**	**Belgium**	**China**	**Indonesia**
Trisodium Phosphate, Dodecahydrate as Particulates not otherwise classified (PNOC)	STELs	Not established	Not established	Not established	16 mg/m3 STEL (free SiO2 <10%, except asbestos and toxic substances. Use PC-STEL of silica When free SiO2 >10%, total) *as Particulates not otherwise classified (PNOC)*	Not established
	TWAs	10 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA (respirable particles, recommended) *as Particulates not otherwise classified (PNOC)*	10 mg/m3 TWA [CMP] (inhalable fraction, particulate matter containing no asbestos and less than 1% crystalline silica); 3 mg/m3 TWA [CMP] (respirable fraction, particulate matter containing no asbestos and less than 1% crystalline silica) *as Particulates not otherwise classified (PNOC)*	3 mg/m3 TWA (alveolar fraction); 10 mg/m3 TWA (inhalable fraction) *as Particulates not otherwise classified (PNOC)*	8 mg/m3 TWA (free SiO2 <10%, except asbestos and toxic substances. Use PC-TWA of silica When free SiO2 >10%, total) *as Particulates not otherwise classified (PNOC)*	10 mg/m3 TWA (not containing Asbestos and the crystal content is <1%, inhalable particulate); 3 mg/m3 TWA (not containing Asbestos and the crystal content is <1%, respirable particulate) *as Particulates not otherwise classified (PNOC)*

Exposure Limits/Guidelines (Con't.)						
	Result	**Ireland**	**Israel**	**Korea**	**Malaysia**	**New Zealand**
Trisodium Phosphate, Dodecahydrate as Particulates not otherwise classified (PNOC)	TWAs	10 mg/m3 TWA (total inhalable); 4 mg/m3 TWA (respirable) *as Particulates not otherwise classified (PNOC)*	10 mg/m3 TWA (recommended, inhalable particles); 3 mg/m3 TWA (recommended, respirable particles) *as Particulates not otherwise classified (PNOC)*	10 mg/m3 TWA (no more than 1% crystalline silica, Serial No. 699) *as Particulates not otherwise classified (PNOC)*	10 mg/m3 TWA (particulate matter containing no Asbestos and <1% crystalline Silica, inhalable fraction); 3 mg/m3 TWA (particulate matter containing no Asbestos and <1% crystalline Silica, respirable fraction) *as Particulates not otherwise classified (PNOC)*	3 mg/m3 TWA (respirable dust); 10 mg/m3 TWA (inhalable dust) *as Particulates not otherwise classified (PNOC)*

Exposure Limits/Guidelines (Con't.)						
	Result	**Norway**	**OSHA**	**Other Agency Information**	**Portugal**	**Singapore**
Trisodium phosphate anhydrous (7601-54-9)	STELs	Not established	Not established	5 mg/m3 STEL	Not established	Not established
Trisodium Phosphate, Dodecahydrate as Particulates not otherwise classified (PNOC)	TWAs	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust) *as Particulates not otherwise classified (PNOC)*	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) *as Particulates not otherwise classified (PNOC)*	Not established	10 mg/m3 TWA [VLE-MP] (inhalable fraction, particulate matter containing no Asbestos and < 1% Crystalline silica); 3 mg/m3 TWA [VLE-MP] (respirable fraction, particulate matter containing no Asbestos and < 1% Crystalline silica) *as Particulates not otherwise classified (PNOC)*	10 mg/m3 PEL *as Particulates not otherwise classified (PNOC)*

Exposure Limits/Guidelines (Con't.)			
	Result	**Spain**	**Venezuela**
Trisodium Phosphate, Dodecahydrate as Particulates not otherwise classified (PNOC)	TWAs	10 mg/m3 TWA [VLA-ED] (recommended limit, this value is for the particulate matter that is free from Asbestos and contains less than 1% of Crystalline silica; no toxicological data to support TWA. Do not exceed generic limit value provided, inhalable fraction); 3 mg/m3 TWA [VLA-ED] (recommended limit, this value is for the particulate matter that is free from Asbestos and contains less than 1% of Crystalline silica; no toxicological data to support TWA. Do not exceed generic limit value provided, respirable fraction) *as Particulates not otherwise classified (PNOC)*	10 mg/m3 TWA [CAP (total inhalable particulate containing no Asbestos and <1% Crystalline silica, inhalable fraction); 3 mg/m3 TWA [CAP (total inhalable particulate containing no Asbestos and <1% Crystalline silica, respirable fraction) *as Particulates not otherwise classified (PNOC)*

8.2 Exposure controls

Engineering Measures/Controls

. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other

engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory . 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 symptoms are experienced.

Eye/Face . Wear eye protection. An emergency eye wash must be readily accessible to the work area.

Hands . Wear protective gloves -Gloves.

Skin/Body . Wear protective clothing

Environmental Exposure Controls . Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene
NIOSH = National Institute of Occupational Safety and Health
OSHA = Occupational Safety and Health Administration
PEL = Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)
STEL = Short Term Exposure Limits are based on 15-minute exposures
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	White granules with no odor.
Color	White	Odor	Odorless
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	11.8
Specific Gravity/Relative Density	Data lacking	Water Solubility	Soluble
Viscosity	Data lacking	Explosive Properties	Not Explosive.
Oxidizing Properties:	Not an Oxidizer.		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Not Flammable.		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

. No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

. No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Dusting conditions. Moisture. Incompatible materials.

10.5 Incompatible materials

- Strong acids, magnesium.

10.6 Hazardous decomposition products

- Oxides of phosphorus. Oxides of sodium.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

	CAS	
Trisodium Phosphate, Dodecahydrate	10101-89-0	**Acute Toxicity:** Unreported Route-Rat LD50 • >7400 mg/kg; **Irritation:** Eye-Rabbit • Moderate irritation; Skin-Rabbit • Irritating (non-specific severity)

GHS Properties	Classification
Acute toxicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Aspiration Hazard	**EU/CLP** • Not relevant **OSHA HCS 2012** • Not relevant
Carcinogenicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Germ Cell Mutagenicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Skin corrosion/Irritation	**EU/CLP** • Skin Irritation 2 **OSHA HCS 2012** • Skin Irritation 2
Skin sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
STOT-RE	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
STOT-SE	**EU/CLP** • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation **OSHA HCS 2012** • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
Toxicity for Reproduction	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Respiratory sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Serious eye damage/Irritation	**EU/CLP** • Serious Eye Damage 1 **OSHA HCS 2012** • Serious Eye Damage 1

Route(s) of entry/exposure . Inhalation, Skin, Eye, Ingestion

Potential Health Effects

Inhalation

Acute (Immediate) . May cause respiratory irritation.

Chronic (Delayed) . No data available

Skin

Acute (Immediate) . Causes skin irritation.

Chronic (Delayed) . No data available

Eye

Acute (Immediate) . Causes serious eye damage.

Chronic (Delayed) . No data available

Ingestion

Acute (Immediate) . Causes corrosion, burns to mouth and esophagus, abdominal pain, chest pain, nausea, vomiting, diarrhea, seizures. Aspiration of the swallowed or vomited product can cause severe pulmonary complications.

Chronic (Delayed) . No data available

Carcinogenic Effects . This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Key to abbreviations

LD = Lethal Dose

Section 12 - Ecological Information

12.1 Toxicity

Trisodium Phosphate, Dodecahydrate			10101-89-0		
Dosage	**Species**	**Duration**	**Results**	**Exposure Conditions**	**Comments**
= 126 mg/L	**Water Flea:** Daphnia magna	96 Hour(s)	EC50	NDA	NDA
= 151 mg/L	**Fish:** Mosquitofish	96 Hour(s)	EC50	NDA	NDA

12.2 Persistence and degradability

. No specific biodegradation test data located. While the alkalinity of this material is readily reduced in natural waters, the resulting phosphate may persist indefinitely or incorporate into biological systems.

12.3 Bioaccumulative potential

. No data found for product.

12.4 Mobility in Soil

. No data found for product.

12.5 Results of PBT and vPvB assessment

. PBT and vPvB assessment has not been carried out.

12.6 Other adverse effects

Ecological Fate . No data found for product.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste . Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste . Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN3077	Environmentally hazardous substance, solid, n.o.s (Sodium phosphate, tribasic)	9	III	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user . None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code . Not relevant.

14.8 Other information

DOT . This product is regulated for transportation because it contains a reportable quantity of 5000 lbs (2270kg). "Hazardous substances" in packages less than the reportable quantity (RQ) are not hazardous substances by U.S. DOT definition (49 CFR 171.8).

Section 15 - Regulatory Information

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

SARA Hazard Classifications . Acute

Inventory						
Component	**CAS**	**Canada DSL**	**Canada NDSL**	**China**	**EU EINECS**	**EU ELNICS**
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	No	No	Yes	No	No
Trisodium phosphate anhydrous	7601-54-9	Yes	No	Yes	Yes	No

Inventory (Con't.)				
Component	**CAS**	**New Zealand**	**Philippines PICCS**	**TSCA**
Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Yes	Yes	No
Trisodium phosphate anhydrous	7601-54-9	Yes	Yes	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Trisodium phosphate anhydrous	7601-54-9	E
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Environment

Canada - CEPA - Priority Substances List

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Germany

Environment

Germany - TA Luft - Types and Classes

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Germany - Water Classification (VwVwS) - Annex 1

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

• Trisodium phosphate anhydrous	7601-54-9	ID Number 172, hazard class 1 - low hazard to waters
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Germany - Water Classification (VwVwS) - Annex 3

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Philippines

Other

Philippines - Priority Chemical List

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Singapore

Other

Singapore - Corrosive and Explosive Substances - Corrosive Substances

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. - CAA (Clean Air Act) - Class II Ozone Depletors

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Trisodium phosphate anhydrous	7601-54-9	5000 lb final RQ (listed under Sodium phosphate, tribasic); 2270 kg final RQ (listed under Sodium phosphate, tribasic)
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	5000 lb final RQ (listed under Sodium phosphate, tribasic); 2270 kg final RQ (listed under Sodium phosphate, tribasic)

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

United States -California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Trisodium phosphate anhydrous	7601-54-9	Not Listed
• Sodium salt (1:3)phosphoric acid as Particulates not otherwise classified (PNOC)		Not Listed
• Phosphoric acid, trisodium salt, dodecahydrate	10101-89-0	Not Listed

15.2 Chemical Safety Assessment

. No Chemical Safety Assessment has been carried out.

15.3 Other Information

. FDA Status: This product meets the compositional requirements of: 21 CFR 182.1778 SODIUM PHOSPHATE

Section 16 - Other Information

Last Revision Date . 5-1-2015

Preparation Date . 5-1-2015

Disclaimer/Statement of Liability . The information herein is given in good faith but no warranty, expressed or implied, is made.

Key to abbreviations

NDA = No Data Available