



Safety Data Sheet

acc. to OSHA HCS

Printing date 08/01/2019

Reviewed on 08/01/2019

* 1 Identification

• Product identifier

- Trade name: S-PO4/1-0.0
- Article number: 827526Y
- CAS number:
7732-18-5
- EC number:
231-791-2
- Description: Phosphate standard solution 0 mg/l PO4-P
- Application of the substance / the preparation: Calibration and test equipment

• Details of the supplier of the safety data sheet

• Manufacturer/Supplier:

YSI
1725 Brannum Lane
Yellow Springs, OH 45387
USA
phone: +1 937-767-7241

• Information department: Email: MSDSinfo@ysi.com

• Emergency telephone number: Chemtrec: (USA & Canada) 800-424-9300 (International) 001 703-527-3887

2 Hazard(s) identification

• Classification of the substance or mixture

The substance is not classified, according to the Globally Harmonized System (GHS).

• Label elements:

- GHS label elements: Void
- Hazard pictograms: Void
- Signal word: Void
- Hazard statements: Void

• Classification system:

- NFPA ratings (scale 0 - 4)



- HMIS-ratings (scale 0 - 4)

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

- **Other hazards** No further relevant information available.
- Results of PBT and vPvB assessment
- PBT: Not applicable.

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- vPvB: Not applicable.

3 Composition/information on ingredients

- **Substance**
- CAS No. Description
7732-18-5 water, distilled, conductivity or of similar purity
- Identification number(s)
- EC number: 231-791-2

4 First-aid measures

- **Description of first aid measures**
- General information: No special measures required.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- Suitable extinguishing agents: The product is not flammable. Extinguishing agent to suit environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- Protective equipment: No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
No special measurements required when handled properly.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Soak up or wipe off. Then dispose of it in the drain.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

• PAC-1: Substance is not listed.

• PAC-2: Substance is not listed.

• PAC-3: Substance is not listed.

7 Handling and storage

- **Handling:**
- Precautions for safe handling No special precautions are necessary if used correctly.
- Information about protection against explosions and fires: No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.

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- Further information about storage conditions: none
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
 - Components with limit values that require monitoring at the workplace: Not required.
 - Additional information: The lists that were valid during the creation were used as basis.
- **Exposure controls**
 - Personal protective equipment:
 - General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.
 - Breathing equipment: Not required.
 - Protection of hands: Not required.
 - Eye protection: Not required.

9 Physical and chemical properties

• Information on basic physical and chemical properties	
• General Information	
• Appearance:	
Form:	Fluid
Color:	Colorless
• Odor:	Odorless
• pH-value:	7
• Change in condition	
Melting point/Melting range:	0 °C (32 °F)
Boiling point/Boiling range:	100 °C (212 °F)
• Flash point:	Not applicable.
• Auto igniting:	Product is not selfigniting.
• Danger of explosion:	Product does not present an explosion hazard.
• Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
• Density at 20 °C (68 °F):	1 g/cm ³ (8.35 lbs/gal)
• Solubility in / Miscibility with Water:	Fully miscible.
• Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
• Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.

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- **Incompatible materials:** No further relevant information available.

11 Toxicological information

- **Information on toxicological effects**

- Acute toxicity:
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

Substance is not listed.

- **NTP (National Toxicology Program)**

Substance is not listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

12 Ecological information

- **Toxicity**

- Aquatic toxicity: No further relevant information available.
- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.

- **Additional ecological information:**

- General notes: Not hazardous for water.
- **Additional ecological information:** Not hazardous for water.
- **Results of PBT and vPvB assessment** Not applicable.

- PBT: Not applicable.
- vPvB: Not applicable.

- **Other adverse effects**

- General notes: Not hazardous for water.

13 Disposal considerations

- **Waste treatment methods**

- Recommendation:

Disposal must comply with the relevant local regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose the special waste.

- **Uncleaned packagings:**

- Recommendation: Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

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14 Transport information

<ul style="list-style-type: none"> • UN-Number • DOT, ADR/RID, ADN, IMDG, IATA 	Void
<ul style="list-style-type: none"> • UN proper shipping name • DOT, ADR/RID, ADN, IMDG, IATA 	Void
<ul style="list-style-type: none"> • Transport hazard class(es) • DOT, ADR/RID, ADN, IMDG, IATA • Class 	Void
<ul style="list-style-type: none"> • Packing group • DOT, ADR/RID, IMDG, IATA 	Void
• Environmental hazards:	Not applicable.
• Special precautions for user	Not applicable.
• Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
• UN "Model Regulation":	Void

15 Regulatory information

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

- Sara

- Section 355 (extremely hazardous substances):

Substance is not listed.

- Section 313 (Specific toxic chemical listings):

Substance is not listed.

- TSCA (Toxic Substances Control Act):

ACTIVE

- Hazardous Air Pollutants

Substance is not listed.

- Proposition 65

- Chemicals known to cause cancer:

Substance is not listed.

- Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

- Chemicals known to cause reproductive toxicity for males:

Substance is not listed.

- Chemicals known to cause developmental toxicity:

Substance is not listed.

- Cancerogenity categories

- EPA (Environmental Protection Agency)

Substance is not listed.

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- TLV (Threshold Limit Value established by ACGIH)

Substance is not listed.

- NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

- Date of preparation / last revision 08/01/2019 / -
- Abbreviations and acronyms:
 - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 - IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 - ICAO: International Civil Aviation Organisation
 - ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - NFPA: National Fire Protection Association (USA)
 - HMS: Hazardous Materials Identification System (USA)
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - NIOSH: National Institute for Occupational Safety
 - OSHA: Occupational Safety & Health
 - TLV: Threshold Limit Value
 - PEL: Permissible Exposure Limit
 - REL: Recommended Exposure Limit
- * Data compared to the previous version altered.