

SAFETY DATA SHEET

1. Chemical Product and Company Identification

Description: Buffer Powder Pillows pH 4.01 ± 0.02 @ 25 °C
Product Code: 3821-9904, 3-0700.390
Product Type: Crystalline Solid
Application: Calibration of pH sensors

Manufacturer/Supplier Information

Manufactured for and SDS prepared by:
Georg Fischer Signet LLC
3401 Aero Jet Ave.
El Monte, California 91731

Date Prepared: 11/30/2018

For additional health, safety or regulatory information, call (626) 571-2770

**For Chemical Emergency
Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or Night**

DOMESTIC NORTH AMERICA 800-424-9300

**INTERNATIONAL, REFER TO THE INFORMATION CONTAINED HEREIN AND CALL YOUR
LOCAL GF OFFICE**

2. Hazard(s) Identification

GHS Classification:

Hazard Categories:

Acute Toxicity Dermal Category 4
Serious Eye Damage/Eye Irritation: Category 2A

GHS Label Elements:

Pictogram:



Signal Warning:

WARNING

Hazard Statements:

Harmful in contact with skin. Causes serious eye irritation.

Precautionary Statements:

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/ container to an approved waste disposal plant. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice/attention***

Other Hazards

Known:

May be harmful if swallowed***

3. Composition/Information on Ingredients Hazardous Components according to GHS:

Potassium Acid Phthalate

CAS Number: 877-24-7

Chemical Formula: C₈H₅KO₄

GHS Classification: Acute Tox 5, H303; Acute Tox. Derm. 4, H312; Eye Irrit. 2A, H319

Percent Range: > 99.0

Percent Range Units: weight / weight

PEL: 15 mg/m³ as total dust; 5 mg/m³ as respirable dust

TLV: 10 mg/m³ as inhalable dust; 3 mg/m³ as respirable dust

4. First Aid Measures

General Information:

In the event of exposure, show this Safety Data Sheet and label (where possible) to a doctor.

Notes to Physician:

Treat symptomatically.

Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin Contact:

Remove contaminated clothing. Wash skin with soap and plenty of water. Call physician if irritation develops.

Inhalation:

Remove to fresh air.

Ingestion:

Do not induce vomiting. Give large quantities of water. Call physician immediately. Never give anything by mouth to an unconscious person.

Self-Protection of the First Aider:

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing.

5. Fire Fighting Measures

Flammable Properties:

Can burn in fire, releasing toxic vapors.

Fire Fighting Instruction:

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

Extinguishing Media:

Use media appropriate to surrounding fire conditions.

Extinguishing Media

NOT To Be Used:

Not applicable

Fire / Explosion Hazards:

None reported

Hazardous Combustion

Products:

Toxic fumes of: carbon monoxide, carbon dioxide.

6. Accidental Release Measures

Spill Response Notice:

Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(v)) and per your company's emergency response plan and guidelines/procedures. See Section 13, Special Instructions for disposal assistance.

Containment Technique:

Stop spilled material from being released to the environment.

Clean-up Technique: Scoop up spilled material into a large beaker and dissolve with water. Adjust to a pH between 6 and 9 with an alkali, such as soda ash or sodium bicarbonate. Flush reacted material to the drain with a large excess of water. Decontaminate the area of the spill with a soap solution.

Evacuation Procedure: Evacuate as needed to perform spill clean-up. If conditions warrant, increase the size of the evacuation.

Special Instructions (for accidental release): Not applicable

304 EHS RQ (40 CFR 355): Not applicable

D.O.T. Emergency Response Guide Number: Not applicable

7. Handling and Storage

Handling: Avoid contact with eyes Do not breathe dust. Wash thoroughly after handling. Maintain general industrial hygiene practices when using this product.

Storage: Store at 10 – 30 °C. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from: oxidizers

Flammability Class: Not applicable

8. Exposure Controls / Personal Protection

Engineering Controls: Have an eyewash station nearby. Maintain general industrial hygiene practices when using this product.

Personal Protective Equipment

Eye Protection: Safety glasses with top and side shields

Skin Protection: Disposable latex gloves lab coat

Inhalation Protection: Adequate ventilation

Precautionary Measures: Avoid contact with: eyes Do not breathe: dust Wash thoroughly after handling. Protect from: heat Keep away from: oxidizers

TLV: Not established

PEL: Not established

For Occupational Exposure Limits (OEL) for ingredients, see section 3 - Composition/Information on Ingredients.

9. Physical and Chemical Properties

Appearance: Light red powder

Physical State: Solid

Molecular Weight: Not applicable

Odor: Not determined

pH: 10% solution = 4.0

Vapor Pressure: Not applicable

Vapor Density (air = 1): Not applicable

Boiling Point: Not applicable

Melting Point: 258-264 °C (decomposes)

Specific Gravity (water = 1): 1.66

Evaporation Rate (water = 1): Not applicable

Volatile Organic Compounds

Content: Not applicable

Partition Coefficient (n-octanol / water): Not applicable

Solubility:
Water: Soluble
Acid: Not determined
Other: Not determined

Metal Corrosivity:
Steel: Not determined
Aluminum: Not determined

Coefficient of Water / Oil: Not applicable

Decomposition Temperature: Not determined

Flammable Properties: Can burn in fire, releasing toxic vapors.

Flash Point: Not applicable

Method: Not applicable

Flammability Limits:

Lower Explosion Limits: Not applicable

Upper Explosion Limits: Not applicable

Autoignition Temperature: Not determined

Explosive Properties: Not classified according to GHS criteria.

Oxidizing Properties: Not classified according to GHS criteria.

Reactivity Properties: Not classified as self-reactive, pyrophoric, self-heating or emitting flammable gases in contact with water according to GHS criteria.

Gas under Pressure: Not classified according to GHS criteria.

10. Stability and Reactivity

Chemical Stability: Stable when stored under proper conditions.

Conditions to Avoid: Heating to decomposition. Excess moisture

Reactivity / Incompatibility: Incompatible with: Strong oxidizing agents, strong acids, and strong bases.

Hazardous Decomposition: Heating to decomposition releases toxic fumes of carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Toxicokinetics, Metabolism and Distribution: No information available for mixture.

Toxicologically Synergistic Products: None reported

Acute Toxicity: ATE Oral Rat LD50 = 3203mg/kg

Specific Target Organ Toxicity –

Single Exposure (STOT-SE): Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity –

Repeat Exposure (STOT-RE): Based on classification principles, the classification criteria are not met.

Skin Corrosion/Irritation: Based on classification principles, the classification criteria are not met.

Eye Damage: Based on classification principles, the classification criteria are not met.

Sensitization: Based on classification principles, the classification criteria are not met.

CMR Effects/Properties (carcinogenic, mutagenic or toxic to reproduction):

Developmental toxicity associated with the substance or an ingredient of the mixture have been reported.
Reported impairment of fertility by substance or ingredient of mixture.
This product does NOT contain any IARC listed chemicals.
This product does NOT contain any NTP listed chemicals.
This product does NOT contain any OSHA listed carcinogens.

Symptoms/Effects:

Ingestion: May cause: nausea vomiting paresthesia's (tingling or burning sensation) of the hands and feet.
Inhalation: May cause respiratory tract irritation
Skin Absorption: No effects anticipated
Chronic Effects: None reported
Medical Conditions Aggravated: Pre-existing: eye conditions, respiratory conditions.

12. Ecological Information

Ecotoxicity: Not considered to be harmful to aquatic life

Product Ecological Data:**Aquatic Toxicity:**

Fish	No data available
Crustacea	No data available
Algae	No data available

CEPA Statement: Potassium Acid Phthalate, SPADNS: Not persistent, bioaccumulative or inherently toxic to aquatic organisms.

13. Disposal Considerations

EPA Waste ID Number: None

Special Instructions (Disposal): Work in an approved fume hood. Dilute to 3 to 5 times the volume with cold water. Adjust to a pH between 6 and 9 with an alkali, such as soda ash or sodium bicarbonate. Open cold water tap completely, slowly pour the reacted material to the drain. Allow cold water to run for 5 minutes to completely flush the system.

Empty Containers: Rinse three times with an appropriate solvent. Dispose of empty container as normal trash.

NOTICE (Disposal): These disposal guidelines are based on federal regulations and may be superseded by more stringent state or local requirements. Please consult your local environmental regulators for more information. In Europe: Chemical and analysis solutions must be disposed of in compliance with the respective national regulations. Product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

14. Transport Information

D.O.T.:

D.O.T. Proper Shipping Name: Not Currently Regulated

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DOT Hazard Class: Not applicable

DOT Subsidiary Risk: Not applicable

DOT ID Number: Not applicable

DOT Packing Group: Not applicable

I.C.A.O.:

I.C.A.O. Proper Shipping Name: Not Currently Regulated

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ICAO Hazard Class: Not applicable

ICAO Subsidiary Risk: Not applicable

ICAO ID Number: Not applicable

ICAO Packing Group: Not applicable

I.M.O.:

I.M.O. Proper Shipping Name: Not Currently Regulated

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I.M.O. Hazard Class: Not applicable

I.M.O. Subsidiary Risk: Not applicable

I.M.O. ID Number: Not applicable

I.M.O. Packing Group: Not applicable

T.D.G.:

Proper Shipping Name: Not Currently Regulated

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Hazard Class: Not applicable

Subsidiary Risk: Not applicable

ID Number: Not applicable

Packing Group: Not applicable

Additional Information:

There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is NOT in a set or kit, the classification given above applies. If the item IS part of a set or kit, the classification would change to the following: UN3316 Chemical Kit, Class 9, PG II or III. If the item is not regulated, the Chemical Kit classification does not apply.

15. Regulatory Information

U.S. Federal Regulations:

O.S.H.A.: This product meets the criteria for a hazardous substance as defined in the Hazard Communication Standard. (29 CFR 1910.1200)

E.P.A.:

S.A.R.A. Title III Section 311/312 Categorization (40 CFR 370): Immediate (Acute) Health Hazard

S.A.R.A. Title III Section 313 (40 CFR 372): This product does NOT contain any chemical subject to the reporting requirements of Section 313 of Title III of SARA.

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302 (EHS) TPQ (40 CFR 355): Not applicable

304 CERCLA RQ (40 CFR 302.4): Not applicable

304 EHS RQ (40 CFR 355): Not applicable

Clean Water Act (40 CFR 116.4): Not applicable

RCRA: Contains no RCRA regulated substances.

C.P.S.C.: Not applicable

State Regulations:

California Prop. 65: No Prop. 65 listed chemicals are present in this product.

Identification of Prop. 65 Ingredient(s): None

California Perchlorate Rule CCR Title 22 Chap 33:

Trade Secret Registry: Not applicable

National Inventories:

U.S. Inventory Status: All ingredients in this product are listed on the TSCA 8(b) Inventory (40 CFR 710).

TSCA CAS Number: Not applicable

16. Disclaimer

It is the responsibility of the Distributor, Dealer, or Agent to provide a current copy of the SDS to the Consumers of Georg Fischer Piping Systems products. The information contained herein is presented in good faith and has been compiled from sources believed to be reliable. It represents the best information currently available to us. No warranty express or implied, or merchantability, fitness or otherwise is made and we assume no liability resulting from its use. This information is offered for your consideration and users should make their own investigation and verification to determine the suitability of the information for their particular purposes. In no event shall Georg Fischer Piping Systems, the parent company or its subsidiaries be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Georg Fischer Piping Systems has been advised of the possibility of such damages. This information relates to the material designated and may not be valid for such material used in combination with any other materials nor in any process.

Revision

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