



SAFETY DATA SHEET

1. Chemical Product and Company Identification

Description: pH/ORP Sensors with Polyacrylamide Gel
Product Code: 3-271X, 3-272X, 3-273X, 3-277X series pH/ORP
3-4630-11, 3-4630-21, 3-4630-31, 3-4632-11
Product Type: Gelled salt solution
Application: pH/ORP Sensors

Manufacturer/Supplier Information

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

Date Prepared: 11/30/18

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

Classification: The product is not classified according to the Globally Harmonized System (GHS).

Label Elements: Void

Hazard Pictograms: Void

Signal Word: Void

Hazard Statements: Void

Additional Information: Contact with acids may cause release of toxic gases

Results of PBT and vPvB Assessment:

PBT: Not applicable

vPvB: Not applicable

3. Composition / Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of the substances listed below with non-hazardous additions.

Water

CAS Number: 7732-18-5

% w/v: >55

Potassium Chloride

CAS Number: 7447-40-7

% w/v: >22

Polyacrylamide-co-methylene-bis-acrylamide

CAS Number: 25034-58-6

% w/v: <10

Lithium Chloride

CAS Number: 7447-41-8

% w/v: <1

Silver Chloride

CAS Number: 7783-90-6

% w/v: <1

Potassium Nitrate (277x probes only)

CAS Number: 7757-79-1

% w/v: <10

4. First Aid Measures

General Information:

No special measures required.

Inhalation:

Supply fresh air; consult doctor in case of complaints.

Skin Contact:

Generally the product does not irritate the skin.

Eye Contact:

Rinse opened eye for several minutes under running water.

Ingestion:

Induce vomiting and call for medical help.

Most Important

Symptoms/Effects:

No information available.

Indication of any Immediate

Medical Attention/Special

Treatment Needed:

No information available.

5. Fire Fighting Measures

Suitable Extinguishing Media:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special Hazards Arising from the Substance or Mixture:

No further relevant information available.

Protective Equipment and Precautions for Firefighters: No special measures required.

6. Accidental Release Measures

Personal Precautions:

Wear protective clothing.

Environmental Precautions:

Do not allow to enter sewers/ surface or ground water.

Methods Containment and

Clean Up:

Dispose contaminated material as waste according to item 13.

Reference to Other Sections:

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and Storage

Handling: No special measures required.

Protection Against Explosions and Fires: No special measures required.

Storage Requirements to be met by Storerooms: According to product specification.
Information about Storage in one Common Storage Facility: Not required
Further Information about Storage Conditions: None
Specific End Use(s): According to product specification.

8. Exposure Controls / Personal Protection

General Protective and Hygienic Measures: The usual precautionary measures for handling chemicals should be followed.

Protection of Hands: Protective gloves.

Material of Gloves: Synthetic gloves

Eye Protection: Safety glasses

9. Physical and Chemical Properties

Appearance:

Form: Solid

Color: Colorless

Odor: Odorless

Odor Threshold: Not determined

pH-value at 20 °C: 6.5 – 7.0

Change in Condition

Melting Point/Melting Range: Undetermined

Boiling Point/Boiling Range: Undetermined

Flash Point: Not applicable

Flammability (solid, gaseous): Not determined

Ignition Temperature: 400 °C

Decomposition Temperature: Not determined

Auto Igniting: Product is not self-igniting

Danger of Explosion: Product does not present an explosion hazard

Explosion Limits

Lower: Not determined

Upper: Not determined

Vapor Pressure at 20 °C: 23 hPa

Density: Not determined

Relative Density: Not determined

Vapor Density: Not applicable

Evaporation Rate: Not applicable

Solubility in / Miscibility with Water: Fully miscible

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

Viscosity

dynamic: Not applicable

kinematic: Not applicable

Solvent Content

Organic Solvents: 0.0 %

Water: 82.0 %

Solids Content: 22.2 %

Other Information: No further relevant information available.

10. Stability and Reactivity

Thermal Decomposition / Conditions to be Avoided:	No decomposition if used according to specifications.
Possibility of Hazardous Reactions:	No dangerous reactions known
Conditions to Avoid:	No further relevant information available.
Incompatible Materials:	No further relevant information available.
Hazardous Decomposition Products:	No dangerous decomposition products known

11. Toxicological Information

Primary Irritant Effect:

On the skin:	No irritant effect.
On the eye:	Irritant effect.
Sensitization:	No sensitizing effects known.

Additional Toxicological Information: The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic Categories:

IARC (International Agency for Research on Cancer):	None of the ingredients is listed.
NTP (National Toxicology Program):	None of the ingredients is listed.
OSHA-Ca (Occupational Safety & Health Administration):	None of the ingredients is listed.
Target Organs:	Not applicable

12. Ecological Information

Aquatic Toxicity:	No further relevant information available
Persistence and Degradability:	No further relevant information available
Bioaccumulative Potential:	No further relevant information available
Mobility in Soil:	No further relevant information available

Additional Ecological Information: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB Assessment:

PBT:	Not applicable
vPvB:	Not applicable

Other Adverse Effects: No further relevant information available

13. Disposal Considerations

Waste Treatment Methods: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of in accordance with international, federal, state and local regulations.

Uncleaned Packaging: Disposal must be made according to official regulations.

14. Transportation Information

UN-Number DOT, ADR, ADN, IMDG, IATA	Void
UN proper shipping name DOT, ADR, ADN, IMDG, IATA	Void
Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class	Void
Packing group DOT, ADR, IMDG, IATA	Void
Environmental Hazards Marine Pollutant:	No
Special Precautions for User:	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable
Transport/Additional Information:	Not dangerous according to the above specifications.

15. Regulatory Information (Selected)

Safety, health and environmental regulations/legislation specific for the substance or mixture
SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)

Section 302/304 (40CFR355.30 / 40CFR355.40): None of the ingredients is listed

Section 313 (40CFR372.65): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Carcinogenic Categories:

EPA (Environmental Protection Agency): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

MAK (German Maximum Workplace Concentration): None of the ingredients is listed.

NIOSH-Ca

(National Institute for Occupational Safety and Health): None of the ingredients is listed.

Water Hazard Class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Chemical Safety

Assessment: A Chemical Safety Assessment has not been carried out.

16. Disclaimer

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Revision

Date of latest revision:	11/30/18
Responsibility for SDS:	S.K. Wells

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