

# SAFETY DATA SHEET

13641735

Revision Date 18-May-2015

WA11 - AGHS - OSHA

Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product Identifier

Product Name Pure Water @ Ionic Strength Adjuster pHISA®  
Product Number(s) 700003  
Pure substance/mixture Mixture

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

Recommended Use Use as laboratory reagent  
Uses advised against No Information available

### Manufacturer/Supplier

Thermo Fisher Scientific®  
Water and Lab Products  
22 Alpha Road  
Chelmsford, MA 01824, USA  
1-978-232-6000

### E-mail address

info.water@thermo.com

### Made in

USA

### Emergency Telephone

24 Hour Emergency Phone Number  
CHEMTREC®  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: 1-703-527-3887  
(collect calls accepted)

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## 2. HAZARDS IDENTIFICATION

### Classification

### OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label Elements

### Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Clear

Physical State solution

Odor None

Safety data sheet available on request

### Precautionary Statements

Do not handle until all safety information has been read and understood.

### Hazards not otherwise classified (HNOC)

No information available

### Other Information

No information available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %	Trade Secret
Potassium Chloride	7447-40-7	0 - 10%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

### First aid measures

#### General Advice

Use first aid treatment according to the nature of the injury. Get medical attention immediately if symptoms occur. Show this safety data sheet to the doctor in attendance.

#### Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Obtain medical attention.

#### Skin Contact

Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. If skin reactions occur, contact a physician.

#### Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, obtain medical attention.

#### Ingestion

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Call a

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physician or Poison Control Center immediately.

**Protection of First-aiders**

Use personal protective equipment. See Section 8 for more detail. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**Most important symptoms and effects, both acute and delayed**

Most important symptoms/effects No information available

**Indication of any immediate medical attention and special treatment needed**

Notes to Physician Treat symptomatically

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

No information available

**Specific Hazards Arising from the Chemical**

No information available

**Explosion Data**

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

**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.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions**

Use personal protective equipment. Refer to Section 8. Evacuate personnel to safe areas.

**Environmental Precautions**

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Handling**

To avoid risks to human health and the environment, comply with the instructions for use  
Wear personal protective equipment  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Ensure adequate ventilation, especially in confined areas

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage**

Keep container tightly closed in a dry and well-ventilated place  
Store at room temperature in the original container

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Keep away from direct sunlight

**Incompatible Products**

No information available

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Measures**

Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**

Wear chemical splash goggles. If splashes are likely to occur, wear: Face-shield.

**Skin and Body Protection**

Wear protective gloves/clothing.

**Respiratory Protection**

None required under normal usage. In case of inadequate ventilation wear respiratory protection.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Physical State**

solution

**Appearance**

Clear

**Odor**

None

**Odor Threshold**

No information available

**pH Range**

4.0 - 7.1

**Property**

**Melting point/freezing point**

No information available

**Boiling Point/Range**

~ 100 °C / 212 °F

**Flash Point (High in °C)**

N/A

**Evaporation Rate**

No information available

**Flammability (solid, gas)**

No information available

**Flammability Limit in Air**

**Upper flammability limit:**

No information available

**Lower flammability limit:**

No information available

**Vapor pressure**

No information available

**Vapor Density**

No information available

**Specific Gravity**

No information available

**Water Solubility**

soluble

**Solubility in other solvents**

No information available

**Partition coefficient**

No information available

**Autoignition Temperature**

No information available

**Decomposition Temperature**

No information available

**Kinematic Viscosity**

No information available

**Dynamic viscosity**

No information available

**Explosive Properties**

No information available

**Oxidizing Properties**

No information available

**Other Information**

**Remarks • Method**

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Softening Point No information available  
Molecular Weight No information available  
VOC Content(%) No information available  
Density No information available  
Bulk Density No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No information available

### Chemical Stability

Stable under normal conditions

### Possibility of Hazardous Reactions

None under normal processing

### Conditions to Avoid

Extremes of temperature and direct sunlight

### Incompatible Materials

No information available

### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Inhalation No information available  
Eye Contact No information available  
Skin Contact No information available  
Ingestion No information available

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium Chloride 7447-40-7	≈ 2600 mg/kg (Rat)	-	-

### Information on Toxicological Effects

Symptoms No information available

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

Sensitization No information available  
Mutagenic Effects No information available  
Carcinogenicity No information available  
Reproductive Effects No information available  
STOT - single exposure No information available  
STOT - repeated exposure No information available  
Aspiration hazard No information available

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## Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .  
ATEmix (oral) 37143 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Component	Freshwater Algae	Freshwater Fish	Water Flea
Potassium Chloride 7447-40-7	2500: 72 h Desmodesmus subspicatus mg/L EC50	750 - 1020: 96 h Pimephales promelas mg/L LC50 static 1060: 96 h Lupomus macrochirus mg/L LC50 static	83: 48 h Daphnia magna mg/L EC50 Static 825: 48 h Daphnia magna mg/L EC50

### Persistence and Degradability

No information available

### Bioaccumulation/ Accumulation

No information available

### Mobility

No information available.

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

### Waste Disposal Methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Contaminated Packaging

Improper disposal or reuse of this container may be dangerous and illegal.

## 14. TRANSPORT INFORMATION

DOT Not regulated  
TDG Not regulated  
MEX Not regulated  
ICAO Not regulated  
IATA Not regulated  
IMDG/IMO Not regulated  
RID Not regulated  
ADR Not regulated  
ADN Not regulated

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## 15. REGULATORY INFORMATION

### International Inventories

USINW	Complies
CANINW	Complies
EINECS/ELINCS	Complies
ENCS	Does not Comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

USINW/ TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
CANINW/ DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
ENCS - Japanese Existing and New Chemical Substances  
IECSC - Chinese Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances

### 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 40n of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazardous

##### Categorization

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### Clean Water Act

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

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

#### State Right-to-Know

#### U.S. EPA Label Information

No information available

## 16. OTHER INFORMATION

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Prepared By

Environmental, Health and Safety

Prepared For

Thermo Fisher Scientific Inc.®

Issue Date

No information available

Revision Date

18-May-2015

Expiration Date

SDS is valid 3 years from revision date. Contact wai.techservbev@thermofisher.com for the latest revision.

Reason for revision

Update to CLP Format

### Disclaimer

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End of Safety Data Sheet

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