



a xylem brand

Safety Data Sheet
According to the (US) Hazard Communication Standard (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Confidence Solution
Catalog Number: YSI 5580
Product Description: Laboratory chemical
Supplier: YSI, a Xylem brand
Manufacturer: NCL of Wisconsin, Inc.

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Not classified
Signal Word: Not applicable
Hazard Statements: Not applicable
Pictograms: None
Precautionary Statements: Not applicable
Other Hazards Not Contributing to the Classification: None under normal conditions

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity: Not applicable
Common Name: Not applicable

Mixture

Table with 3 columns: Name, CAS #, Approximate %. Rows include Water, Potassium Phosphate Monobasic, Potassium Ferricyanide, and Potassium Ferrocyanide.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General First Aid Measures: Never give anything by mouth to an unconscious person.
If Inhaled: Remove person to fresh air and keep comfortable for breathing.
In Case of Skin Contact: Remove contaminated clothing and wash exposed skin with mild soap and water.
In Case of Eye Contact: Immediately flush eyes with plenty of water.
If Swallowed: Rinse mouth. Do NOT induce vomiting.

Most Important Symptoms/Effects Acute and Delayed

Not expected to present a significant hazard under normal use

Indication of Immediate Medical Attention and Special Treatment Needed

No additional information available

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media**Suitable Extinguishing Media**

Foam. Dry powder. Sand. Carbon dioxide. Water spray.

Unsuitable Extinguishing Media

Do not use high pressure water stream

Special Hazards Arising from the Chemical

No additional information available

Special Protective Actions for Fire-Fighters

Wear self-contained breathing apparatus and protective clothing. Keep exposed containers cool with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures****Personal Precautions**

Use personal protective equipment (see section 8). Evacuate area of non-essential personnel. Eliminate ignition sources.

Environmental Precautions

Prevent entry to surface and ground waters

Methods and Materials for Containment and Cleaning Up

Clean up spills with inert solids. Collect spillage. Store away from other materials. Ensure compliance with federal, state, and local regulations.

SECTION 7: HANDLING AND STORAGE**Precautions for Safe Handling**

Avoid contact with eyes and skin. Avoid breathing vapors. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Conditions for Safe Storage Including any Incompatibilities

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Store away from strong oxidizers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Control Parameters**

Not applicable

Appropriate Engineering Controls

Provide adequate general ventilation. Maintain eye-wash fountain and quick-drench facilities in work area.

Individual Protection Measures**Eye/Face Protection**Avoid all unnecessary exposure.
Use chemical safety goggles and /or a full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye-wash fountain and quick-drench facilities in work area.**Skin Protection**

Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.

Respiratory Protection

Wear appropriate mask.

Other Information

Do not eat, drink, or smoke when using this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Liquid

Color

Yellow

Odor

Odorless

Odor Threshold

Not determined

pH

6.8 – 7.2

Melting Point/Freezing Point

Not determined

Initial Boiling Point and Boiling Range

Not determined

Flash Point

Not determined

Evaporation Rate

Not determined

Flammability (Solid, Gas)

Not determined

Upper/Lower Flammability/Explosive Limits Not determined**Vapor Pressure**

Not determined

Vapor Density

Not determined

Relative Density

1.00

Solubility

Soluble in water

Partition Coefficient: n-octanol/water	Not determined
Auto-Ignition Temperature	Not determined
Decomposition Temperature	Not determined
Viscosity	Not determined

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No data available
Chemical Stability	Stable under ordinary conditions of use and storage.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Extremely high or low temperatures.
Incompatible Materials	Strong oxidizers and strong acids
Hazardous Decomposition Products	When heated to decomposition, can emit toxic gases and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	Not classified
Potassium Phosphate Monobasic (7778-77-0)	
LD50 oral rat	4640 mg/kg
Potassium Ferricyanide (13746-66-2)	
LD50 oral rat	2970 mg/kg
Potassium Ferrocyanide (14459-95-1)	
LD50 oral rat	3613 mg/kg
Water (7732-18-5)	
LD50 oral rat	≥90000 mg/kg

Skin Corrosion/Irritation	Not classified
Serious Eye Damage/Irritation	Not classified
Respiratory or Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
Specific Target Organ Toxicity (Single Exposure)	Not classified
Specific Target Organ Toxicity (Repeated Exposure)	Not classified
Aspiration Hazard	Not classified
Potential Adverse Human Health Effects and Symptoms	No data available
Other Information	Not available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity	Not applicable
Persistence and Degradability	Not applicable
Bioaccumulative Potential	Not applicable
Mobility in Soil	Not applicable
Other Adverse Effects	Not applicable

SECTION 13: DISPOSAL CONSIDERATIONS**Methods of Disposal**

Disposal Recommendations	Dispose of contents/containers in accordance with federal, state, and local regulations
Other Information	Avoid release to the surrounding environment

SECTION 14: TRANSPORT INFORMATION

UN Number	Not applicable
UN Shipping Name	Not applicable
Transport Hazard Class(es)	Not applicable
Packing Group	Not applicable
Environmental Hazards	Not applicable
Transport in Bulk	Not applicable
Other Precautions	Not applicable

SECTION 15: REGULATORY INFORMATION

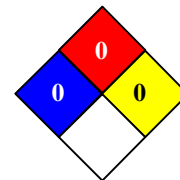
Potassium Phosphate Monobasic (7778-77-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Potassium Ferricyanide (13746-66-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Potassium Ferrocyanide (14459-95-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Water (7732-18-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: OTHER INFORMATION

Revision Date: 12/10/2014

NFPA Hazards

Health Hazard	0: Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.
Fire Hazard	0: Materials that will not burn.
Instability/Reactivity	0: Normally stable, even under fire exposure conditions, and are not reactive with water.

**HMIS III Rating**

Health	0: No significant risk to health.
Flammability	0: Materials that will not burn.
Physical Hazard	0: Materials that are normally stable.
Personal Protection	A

YSI 5580	
Health	0
Flammability	0
Physical Hazard	0
Personal Protection	A

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END OF SAFETY DATA SHEET