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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: YSI-5580 CONFIDENCE SOLUTION

CATALOG NUMBER: **YSI-5580**

Date of this revision: 08/01/2011

1. CHEMICAL PRODUCT IDENTIFICATION

Trade name: None

Chemical Formula: Solution in water

Formula CAS No: Not applicable

Molecular Weight: Not applicable

2. COMPOSITION

Component	CAS#	Approx%
Water	7732-18-5	>98
Potassium Phosphate Monobasic	7778-77-0	<1
Sodium Hydroxide	1310-73-2	<1
Potassium Ferricyanide	13746-66-2	<0.1
Potassium Ferrocyanide	14459-95-1	<0.1

3. HAZARD IDENTIFICATION

Do not get in eyes, on skin or on clothing. Minimal contact, as with all chemicals, is a good policy to follow.

Remove and wash contaminated clothing before re-use.

Routes of entry: Ingestion, inhalation, or skin contact.

Carcinogenicity: This material is not listed (IARC, NTP, OSHA) as a cancer causing agent.

4. FIRST AID MEASURES

Ingestion: If swallowed, induce vomiting immediately. Call a physician.

Inhalation: Remove to fresh air. Inhale amyl nitrate vapor 5 times at 15-second intervals. Give artificial respiration if breathing has stopped.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

Skin: Immediately flush skin with plenty of water. Get medical attention if irritation develops.

5. FIRE FIGHTING MEASURES

Flash point: Not applicable

Flammable Limits (LEL): Not Applicable

Flammable Limits (UEL): Not Applicable

Fire Extinguishing Media: Use any suitable means for surrounding materials.

Explosion Hazards: None known.

6. ACCIDENTAL RELEASE MEASURES

Evacuate area of non-essential personnel. Eliminate ignition sources. Scoop up material and transfer to a container for proper disposal. Ensure compliance with Federal, State and local regulations.

7. HANDLING AND STORAGE

Store at room temperature. Avoid contact with eyes.



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8. EXPOSURE CONTROLS

Airborne Exposure Limits: Non established for product.

For 100% Sodium Hydroxide (product contains <1%)

OSHA Permissible Exposure Limit (PEL): 2 mg/cu.m.

ACGIH Threshold Limit Value (TLV): 2 mg/cu.m.

Ventilation System: In general, dilution ventilation is a satisfactory health hazard control for this material. However, if conditions of use create discomfort to a worker, a local exhaust should be considered.

Personal Respirators (NIOSH Approved): For conditions of use where exposure to mist exists, a dust/mist respirator may be worn. For emergencies, a self contained breathing apparatus may be necessary.

Skin protection: Rubber gloves and lab coat, apron or overalls.

Eye Protection: 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.

9. PHYSICAL CHEMICAL PROPERTIES

Appearance: Yellow, chartreuse liquid

Odor: None

Solubility: Infinitely soluble in water.

Boiling Point: Essentially the same as water.

Melting Point: Essentially the same as water.

Specific Gravity: 1.0

Vapor Density (Air =1): Essentially the same as water.

Vapor Pressure (mm Hg): Essentially the same as water.

Evaporation Rate: Essentially the same as water.

10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: None known.

Hazardous Polymerization: This substance does not polymerize.

Incompatibilities: None found

11. TOXICOLOGICAL INFORMATION

No toxicity data for product

For 100% Sodium Hydroxide (product contains <1%):

orl-rbt LDLo: 500 mg/kg.

Mutagenic effects cited in RTECS.

12. ECOLOGICAL INFORMATION

None found.

13. DISPOSAL CONSIDERATIONS

EPA Waste Number: None

Ensure compliance with Federal, State and local regulations.

14. TRANSPORT INFORMATION

DOT Shipping Name: Not regulated.

DOT Number: None.



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15. REGULATORY INFORMATION

The CAS numbers of all components of this solution are listed on the TSCA Inventory.

16. OTHER INFORMATION

NFPA Hazard Ratings:

Health	2
Flammability	0
Reactivity	0
Special Hazards	None Known

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

END OF MATERIAL SAFETY DATA SHEET