



# Safety Data Sheet

Issue Date: 13-Apr-2015

Revision Date: 13-Apr-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** United 974 UNITED STRUVOUT™

### Other means of identification

**SDS #** UNITED-974

### Recommended use of the chemical and restrictions on use

**Recommended Use** Dispersant and Sequestrant.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

United Laboratories, Inc.  
320 37th Avenue  
St. Charles, IL 60174  
www.unitedlabsinc.com  
www.unitedlabsinc.ca

### Emergency Telephone Number

**Company Phone Number** 800-323-2594 (to reorder)  
**Emergency Telephone (24 hr)** INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

**Appearance** Colorless liquid

**Physical State** Liquid

**Odor** Odorless

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Triphosphoric acid, pentasodium salt	7758-29-4	15-40
Non-hazardous ingredients	N/A	60-85

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST-AID MEASURES

### First Aid Measures

<b>Eye Contact</b>	Immediately flush with large amounts of water for at least 15 minutes holding eyelids open to ensure flushing of the entire surface.
<b>Skin Contact</b>	Immediately wash contaminated areas with water. Remove contaminated clothing and footwear. Wash clothing and decontaminate footwear before reuse.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. If person is conscious, give large quantities of water or milk. Seek medical attention immediately.

### Most important symptoms and effects

<b>Symptoms</b>	May cause eye irritation, redness and pain. May cause skin irritation. Prolonged or repeated exposure may cause skin inflammation and pain especially with moist skin. May cause irritation to respiratory tract which may include coughing and shortness of breath. Ingestion phosphates are slowly and incompletely absorbed when ingested, and seldom result in systemic effects. Symptoms may include vomiting, lethargy, diarrhea, blood chemistry effects, heart disturbances and central nervous system effects. The toxicity of phosphates is due to their ability to sequester calcium.
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use large quantities of water. Dike to contain.

**Unsuitable Extinguishing Media** Not determined

### Specific Hazards Arising from the Chemical

Not determined

### 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. Approach incident with caution.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Use personal protective equipment as required.
<b>Environmental Precautions</b>	See Section 12 for additional Ecological Information. Do not flush into sanitary sewer system or surface water. If accidental release into the environment occurs, inform the responsible authorities. Keep the product away from drains, sewers, surface and ground water and soil.

**Methods and material for containment and cleaning up**

Prevent further leakage or spillage if safe to do so. Contain spill by collecting the liquid in a pit or absorb with inert media and dispose of properly. Disposal of all materials shall be in full and strict compliance with all federal, state, and local regulations pertaining to phosphates. Flush area with large amounts of water.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling**      Wear protective gloves/protective clothing and eye/face protection. After handling phosphate solution, always wash hands thoroughly with soap and water. Avoid contact with skin and eyes.  
 Provide sufficient mechanical and/or local exhaust.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**      Keep this product in a properly labeled, tightly closed container in a cool dry area.

**Incompatible Materials**      Strong oxidizing agents such as bleach.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

**Appropriate engineering controls**

**Engineering Controls**      Provide sufficient mechanical and/or local exhaust.

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

**Eye/Face Protection**      Safety glasses with side shields or safety goggles are recommended. Provide eyewash in working area.

**Skin and Body Protection**      Rubber or plastic gloves are recommended. Long sleeve shirt and long pants.

**Respiratory Protection**      Normally not required. IF TLV is exceeded, use a NIOSH/MSHA approved respirator.

**General Hygiene Considerations**      Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Odorless
<b>Appearance</b>	Colorless solution	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	4.0-5.0	
Melting Point/Freezing Point	<0°	
Boiling Point/Boiling Range	>101 °C / >213 °F at 760mm Hg	
Flash Point	Does not flash	
Evaporation Rate	1	(Water = 1)
Flammability (Solid, Gas)	Liquid-Not applicable	
Upper Flammability Limits	Not determined	

<b>Lower Flammability Limit</b>	Not determined	
<b>Vapor Pressure</b>	Not determined	
<b>Vapor Density</b>	Not determined	
<b>Specific Gravity</b>	1.33	(Water = 1)
<b>Water Solubility</b>	Not determined	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	
<b>VOC Content</b>	None	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

Under normal conditions of storage and use, hazardous polymerization will not occur.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

### Hazardous Decomposition Products

When strongly heated, as in a fire, this product may form toxic fumes of phosphorous oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Inhalation</b>	Do not inhale.
<b>Ingestion</b>	Do not ingest.

### Information on physical, chemical and toxicological effects

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Carcinogenicity</b>	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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**Acute toxicity**

Phosphate toxicity can occur with over dosage. Severe phosphate toxicity can result in hypocalcemia, and in various symptoms resulting from low plasma calcium levels.

**Chronic toxicity**

No known cases of chronic poisoning due to phosphate solutions have been reported. May sequester calcium and cause calcium phosphate deposits in the kidneys. Systemic metabolic acidosis may result as this material is believed to be hydrolyzed to ortho phosphates when ingested (before absorption).

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Not determined

**Persistence/Degradability**

Possible short term degradation products are not likely. However, in long term orthophosphate formation may occur.

**Bioaccumulation**

Not determined

**Mobility**

Miscible in water.

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations pertaining to phosphates. This product when it becomes a waste is considered as a non-hazardous waste. However, chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US PA guidelines for the classification determination are listed in 40 CFR Parts 261.3.

**RCRA P-Series:** None Listed.

**RCPA U-Series:** None Listed.

**Contaminated Packaging**

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

**14. TRANSPORT INFORMATION**

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations**

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Triphosphoric acid, pentasodium salt CAS, No. 7758-29-4	5000 lb		RQ 5000 lb final RQ

**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 40 of the Code of Federal Regulations, Part 372.

**CWA (Clean Water Act)**

None of the substances in this preparation product are listed as Hazardous Substances under the CWA.  
None of the substances in this preparation are listed as Priority Pollutants or as Toxic Pollutants under the CWA.

**US State Regulations**

**California Proposition 65**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**U.S. State Right-to-Know Regulations**

Chemical Name	California	Massachusetts	Pennsylvania
Triphosphoric acid, pentasodium salt CAS, No. 7758-29-4	X	X	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	Not determined	Not determined	Not determined	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	0	0	X

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**End of Safety Data Sheet**