

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** United 977SF ESA CAST-AWAY

### Other means of identification

**SDS #** UNITED-977SF

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

**Recommended Use** For use with Sure Flo Dosing System.

**Uses Advised Against** For industrial or institutional use only.

### 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** Yellow liquid

**Physical state** Liquid

**Odor** Little or no odor

### Classification

Skin irritation	Category 2
Serious eye irritation	Category 2A
Acute toxicity	Category 4

### Signal Word

**Warning**

### Hazard statements

Can cause serious eye damage. Can cause skin irritation. May be harmful if swallowed.



### Precautionary Statements - Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling.

**Precautionary Statements - Response**

Immediately call a poison center or doctor/physician. If in the eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.  
 If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 If swallowed: Rinse mouth. Do not induce vomiting. Immediately call a poison center or doctor/physician.

**Precautionary Statements - Storage**

Store according to local rules and regulations.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Mixed-Triazoles	NA	<2
Trade Secret	Proprietary	20-35

\*\*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>General Advice</b>	Immediately call a poison center or doctor/physician.
<b>Eye Contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
<b>Skin Contact</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. Immediately call a poison center or doctor/physician.

**Most important symptoms and effects**

<b>Symptoms</b>	If in eyes-irritation, pain, watering or redness. If on skin- mild irritation or redness. Inhalation-no known significant effects or critical hazards. Ingestion-harmful if swallowed. Irritating to mouth, throat and stomach.
-----------------	---

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

<b>Notes to Physician</b>	Treat symptomatically.
---------------------------	------------------------

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water spray (fog). Dry chemical. Carbon dioxide (CO<sub>2</sub>). Foam.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

At temperatures above 60°C/140°F acid action on most metals may release hydrogen, a high flammable and explosive gas.

**Hazardous Combustion Products** Nitrogen oxides (NOx). Acid mist. Carbon oxides.

**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 as required.

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

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Absorb spills with dry sand or earth, then place in chemical waste container for disposal. Neutralize washings with a base such as soda ash or lime. Flush residual spill area with large amounts of water. Exercise caution during neutralization as considerable heat may be generated.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on Safe Handling** Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Note: If diluting, always add this product slowly to water with constant stirring. When diluting always add to water.

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

**Storage Conditions** Containers should be stored in a cool, dry, well-ventilated area away from incompatible materials, tightly closed. Exercise caution to prevent damage to or leakage from the container. Keep out of reach of children.

**Incompatible Materials** Bases. Oxidizers. Chlorates. Nitrates.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

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

**Appropriate engineering controls**

**Engineering Controls** Normally not required. Ventilation and local exhaust generally adequate.

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

**Eye/Face Protection** Safety goggles are recommended.

**Skin and Body Protection** Chemical resistant gloves (rubber or nitrile) are recommended.

**Respiratory Protection** Normally not required if good ventilation is maintained. If a risk assessment indicates; use properly fitted, air-purifying or supplied air respirator complying with approved standards.

**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> <b>Appearance</b> <b>Color</b>	Liquid Yellow liquid Yellow	<b>Odor</b> <b>Odor Threshold</b>	Little or no odor Not determined
--	-----------------------------------	--------------------------------------	-------------------------------------

Property	Values	Remarks • Method
pH	1	
Melting Point/Freezing Point	-18.6 °C / -0.5 °F	
Boiling Point/Boiling Range	>100 °C / >212 °F	
Flash Point	None	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Liquid-Not applicable	
Flammability Limits in Air		
Upper Flammability Limits	N/A	
Lower Flammability Limit	N/A	
Vapor Pressure	5.65 mmHg	@ 20°C (68°F)
Vapor Density	Not determined	
Relative Density	1.085	(Water = 1)
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content	None	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

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

### Conditions to Avoid

Exposure to air or moisture over prolonged periods.

### Incompatible Materials

Bases. Oxidizers .Chlorates. Nitrates.

### Hazardous Decomposition Products

Nitrogen oxidizers (NOx) and acid mist.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Eye Contact</b>	May cause serious eye irritation.
<b>Skin Contact</b>	May cause mild skin irritation.
<b>Inhalation</b>	Avoid breathing vapors or mists. Exposure to decomposition products may cause a health hazard.
<b>Ingestion</b>	Do not swallow. May be harmful if swallowed to mouth, throat and stomach

**Information on physical, chemical and toxicological effects**

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
-----------------	--

**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.
<b>Reproductive toxicity</b>	None known.

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document.

<b>ATEmix (oral)</b>	51,983.00 mg/kg
<b>ATEmix (dermal)</b>	92,945.00 mg/kg

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Not determined.

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

**Other Adverse Effects**

Not determined.

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

<b>Note</b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Exempt under DOT 49 CFR 173.154(d). This material is corrosive to aluminum only. Not corrosive to mild steel and skin.
<b>DOT</b>	Not regulated.
<b>IATA</b>	Please contact manufacturer for most current information.
<b>IMDG</b>	Please contact manufacturer for most current information.

## 15. REGULATORY INFORMATION

### International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Organic Salts	X	X	X		X	Present	X	X
Mixed-Triazoles	X	X	X	Present	X	Present	X	X

#### **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

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### **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).

#### **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)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### US State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

This product does not contain any substances regulated under applicable state right-to-know regulations.

**16. OTHER INFORMATION**

<u><b>NFPA</b></u>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Instability</b> Not determined	<b>Special Hazards</b> Not determined
<u><b>HMIS</b></u>	<b>Health Hazards</b> 1	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal Protection</b> N+P

Issue Date: 17-Sep-2010  
 Revision Date: 26-May-2016  
 Revision Note: New format

**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**