1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name            United 977 ESA CAST-AWAY

Other means of identification
SDS #                  UNITED-977

Recommended use of the chemical and restrictions on use
Recommended Use       Earth Smart® Non-fuming drain opener for plaster traps.
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

<table>
<thead>
<tr>
<th></th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye irritation</td>
<td>Category 2A</td>
</tr>
<tr>
<td>Acute toxicity</td>
<td>Category 4</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixed Triazoles</td>
<td>NA</td>
<td>&lt;2</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>Proprietary</td>
<td>20-35</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>General Advice</th>
<th>Immediately call a poison center or doctor/physician.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Contact</td>
<td>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.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Rinse mouth. Do not induce vomiting. Immediately call a poison center or doctor/physician.</td>
</tr>
</tbody>
</table>

Most important symptoms and effects

| Symptoms                                             | 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

| Notes to Physician                                   | Treat symptomatically. |

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray (fog). Dry chemical. Carbon dioxide (CO2). 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

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Yellow liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Yellow</td>
<td>Odor</td>
<td>Little or no odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
<td>Odor Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>Property</td>
<td>Values</td>
<td>Remarks</td>
<td>Method</td>
</tr>
<tr>
<td>pH</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>-18.6 °C / -0.5 °F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>&gt;100 °C / &gt;212 °F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Liquid-Not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>5.65 mmHg</td>
<td>@ 20°C (68°F)</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.085</td>
<td>(Water = 1)</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Completely soluble</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOC Content</td>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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**

**Eye Contact**  May cause serious eye irritation.

**Skin Contact**  May cause mild skin irritation.

**Inhalation**  Avoid breathing vapors or mists. Exposure to decomposition products may cause a health hazard.

**Ingestion**  Do not swallow. May be harmful if swallowed to mouth, throat and stomach.

Information on physical, chemical and toxicological effects

**Symptoms**  Please see section 4 of this SDS for symptoms.

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

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

**Reproductive toxicity**  None known.

**Numerical measures of toxicity**

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

| ATEmix (oral)  | 51,983.00  mg/kg |
| ATEmix (dermal) | 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**

**Disposal of Wastes**  Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note 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.

DOT Not regulated.

IATA Please contact manufacturer for most current information.

IMDG Please contact manufacturer for most current information.

15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL/NDSL</th>
<th>EINECS/ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic Salts</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>–</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Mixed Triazoles</td>
<td>X</td>
<td>/No</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td></td>
<td>N+P</td>
</tr>
</tbody>
</table>

**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