

**1. PRODUCT AND COMPANY IDENTIFICATION****Product identifier****Product Name** United 165 ACT UP**Other means of identification****SDS#** UNITED-165**Recommended use of the chemical****And restrictions on use****Recommended use** Foaming Caustic Chiller Coil Cleaner  
**Uses Advised Against** For industrial and institutional use only.**Details of the supplier of the safety data sheet****Company Name**United Laboratories, Inc.  
320 37th Avenue  
St. Charles, IL 60174  
www.unitedlabsinc.com  
www.unitedlabsinc.ca**Emergency telephone number****Emergency Telephone** 800-323-2594 (to reorder)  
INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)**2. HAZARDS IDENTIFICATION****Classification****OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                     |             |
|---------------------|-------------|
| Skin Corrosive      | Category 1B |
| Eye Damage          | Category 1  |
| Liquefied Gas       |             |
| Corrosive to Metals |             |

**Label elements****Emergency Overview****Danger****Hazard statements**

Causes severe skin burns and eye damage. Contains gas under pressure; may explode if heated. May be corrosive to metals.

This product contains the following percentage of chemicals of unknown toxicity: 0%.

**Appearance** White Foam**Physical state** Aerosol**Odor** Caustic Odor**Prevention**

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not breathe mists.

**Response**

Wash hands thoroughly after handling. Wear protective gloves and eye protection. If swallowed: Rinse mouth. Do not induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. If inhaled: remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor. If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage**

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in well-ventilated area. Keep only in original container. Absorb spillage to prevent material damage. Store in a corrosive resistant container with a resistant inner liner.

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name       | CAS No.    | Weight-% | Trade Secret |
|---------------------|------------|----------|--------------|
| Sodium Hydroxide    | 1310-73-2  | 1-5      | *            |
| Potassium Hydroxide | 1310-58-3  | 1-5      | *            |
| Propane/n-Butane    | 68476-86-8 | 3-7      | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First aid measures****Skin Contact**

Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

**Eye contact**

Remove contact lenses. Flush with water for at least 15 minutes. Get immediate medical attention.

**Inhalation**

Move person to fresh air. If breathing is difficult, administer oxygen. If not breathing administer respiration or at any sign of loss of consciousness seek immediate medical attention.

**Ingestion**

Rinse mouth out with water. Do not induce vomiting. Seek medical attention.

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

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

**Acute Health Hazards**

Causes severe burns.

**Chronic Health Hazards**

Skin disorders, drying and irritation of the skin.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use appropriate media for surrounding fire.

**Unsuitable extinguishing media** None known.

**Specific hazards arising from the chemical**

Contact with some metals, particularly magnesium, aluminum and galvanized zinc can generate hydrogen gas rapidly which is explosive. Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

**Protective equipment and precautions for firefighters**

Firefighters must wear NIOSH approved self-contained breathing apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

**Fire-fighting equipment/instructions**

Wear full protective clothing, SCBA.

**Specific Methods**

Use standard firefighting procedures and consider the hazards of other involved materials.

**Hazardous Combustion Products:** Alkaline vapors in fire.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** For personal protection, see Section 8 of the SDS.

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

Clean up using cloth or absorbent material. Dispose of product-containing wiping cloth or absorbent paper in suitable manner. Place waste in proper containers for waste disposal.

**Waste Disposal**

Dispose of in accordance with local, state and federal regulations. Do not reuse empty container and recycle or place in trash collection. Drums and pails should be offered for recycling.

**RCRA Status**

Waste likely considered hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

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

Pressurized container: do not pierce or burn, even after use.

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

**Storage Conditions** Do not expose to direct sunlight, exceeding 50°C/122°F. Store in a well-ventilated place.

**Incompatible materials** Strong acids

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines** No Exposure limits noted for ingredient(s).

| Chemical Name                      | OSHA                     | ACGIH                    | NIOSH |
|------------------------------------|--------------------------|--------------------------|-------|
| Propane/n-Butane<br>(68476-86-8)   | PEL: 1000 ppm            | TWA: 1000 ppm            | -     |
| Sodium Hydroxide<br>(1310-73-2)    | PEL: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup> | -     |
| Potassium Hydroxide<br>(1310-58-3) | PEL: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup> | -     |

*NIOSH IDLH Immediately Dangerous to Life or Health*

**Appropriate engineering controls**

**Engineering Controls** General ventilation is recommended.

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

- Eye/face protection** Safety glasses are recommended.
- Skin and body protection** Chemical resistant gloves are recommended.
- Respiratory protection** Wear a NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.

**General Hygiene** Always observe good personal hygiene measures. Such as washing hands immediately after use. Do not get on clothes or skin.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Physical state** Foam  
**Appearance** Aerosol  
**Color** White Foam  
**Odor** Caustic

| <u>Property</u>                 | <u>Values</u>                                                                                  | <u>Remarks • Method</u> |
|---------------------------------|------------------------------------------------------------------------------------------------|-------------------------|
| pH                              | 13.5                                                                                           |                         |
| Specific Gravity                | >1.04 @ 77°F (25°C)                                                                            |                         |
| Percent volatile                | No information available.                                                                      |                         |
| Viscosity                       | No Information available.                                                                      |                         |
| Melting point/freezing point    | <32°F (0°C)                                                                                    |                         |
| Flash point                     | No information available.                                                                      |                         |
| Boiling point and Boiling range | 212°F/100°C                                                                                    |                         |
| Evaporation rate                | <0.8 (slow)                                                                                    |                         |
| Flammability (solid, gas)       | Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200) |                         |
| Upper flammability limit:       | No information available.                                                                      |                         |
| Lower flammability limit:       | No information available.                                                                      |                         |
| Vapor pressure                  | >18                                                                                            |                         |

|                            |                           |
|----------------------------|---------------------------|
| Vapor density              | 1                         |
| Water solubility           | 100%                      |
| Solids (%)                 | 7.5%                      |
| Partition coefficient      | No information available. |
| Auto-ignition temperature  | No information available. |
| Decomposition temperature  | No information available. |
| Volatility including water | 73.5%                     |
| VOC (weight %)             | 6%                        |

**10. STABILITY AND REACTIVITY**

**Reactivity**

Chemically active metals and acids.

**Chemical stability**

Stable at normal conditions.

**Possibility of Hazardous Reactions**

None known.

**Conditions to avoid**

Do not mix with strong acids.

**Incompatibility:**

Strong acids.

**Hazardous Decomposition Products**

Oxides of carbon.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

Eyes, ingestion, inhalation and skin.

**Product Information**

|                     |                                                                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Causes irritation to the respiratory tract, upper respiratory damage.                                                                                                         |
| <b>Eye contact</b>  | Causes severe irritation, burning, redness, tearing, pain, may cause lens or corneal                                                                                          |
| <b>Skin Contact</b> | Causes redness, pain, and severe burns to skin. Concentrated solutions cause deep ulcers and discolor skin. Exposure to liquid, vapor, or mist causes severe skin irritation. |
| <b>Ingestion</b>    | Causes chemical burns, damage to mouth and esophagus with gastrointestinal irritation, nausea, vomiting.                                                                      |

**Information on toxicological effects**

**Acute toxicity** Causes severe burns.

| Chemical Name                 | Dermal LD50 | Oral LD540 | Inhalation LC50 |
|-------------------------------|-------------|------------|-----------------|
| Sodium Hydroxide<br>1310-73-2 | -           | 400 mg/kg  | -               |

\*Estimates for product may be based on additional component data not shown.

**Skin irritation** Causes redness, pain and severe burns to skin. Concentrated solutions cause deep ulcers and discolor skin. Exposure to liquid, vapor, or mist causes severe skin irritation.

|                                     |                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Eye damage/eye irritation</b>    | Causes eye irritation, burning, redness, tearing, pain, may cause lens or corneal damage. |
| <b>Respiratory Sensitization</b>    | Causes irritation to the respiratory tract, upper respiratory damage.                     |
| <b>Skin Sensitization</b>           | This product is not expected to cause skin sensitization                                  |
| <b>Carcinogenicity</b>              | This product is not considered to be a carcinogen by IARC, OSHA, ACGIH and NTP.           |
| <b>Chronic effects</b>              | Skin disorders, drying and irritation to skin.                                            |
| <b>Medical condition aggravated</b> | May aggravate pre-existing medical conditions.                                            |

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Sodium Hydroxide (1310-73-2) and Potassium Hydroxide (1310-58-3).

**Persistence and degradability**

Component(s) of his product are biodegradable.

**Bioaccumulation**

This product is not expected to bioaccumulate.

**Soil Mobility**

This product is mobile in soil.

**Other adverse effects**

No other adverse environmental effects are expected from this component.

**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. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling. |
| <b>US RCRA Status</b>                      | Waste solvent likely considered hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).                                                                                  |
| <b>Waste from residues/unused products</b> | Dispose in accordance with local, state and federal regulations. (See disposal instructions).                                                                                                                         |

**14. TRANSPORT INFORMATION**

This product meets the exception requirements of Section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity-ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/2020 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

**DOT**

|                                   |                            |
|-----------------------------------|----------------------------|
| <b>UN/ID No.</b>                  | UN1950                     |
| <b>Proper shipping name</b>       | Aerosols, Limited Quantity |
| <b>Transport hazard class(es)</b> | 2.1                        |
| <b>Packing group</b>              | No information available.  |

**IATA**

|                                   |                            |
|-----------------------------------|----------------------------|
| <b>UN/ID No.</b>                  | UN1950                     |
| <b>UN proper shipping name</b>    | Aerosols, Limited Quantity |
| <b>Transport hazard class(es)</b> | 2.1                        |

**IMDG**

UN/ID No. UN1950  
 Proper shipping name Aerosols, Limited Quantity  
 Transport hazard class 2.1

**Environmental Class**

Marine Pollutant No

**15. REGULATORY INFORMATION**

**International Inventories**

All components listed or exempted.

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory-Yes\*

\*A Yes indicates that all components of this product comply with the inventory requirements administered by the governing county(s). A No indicates that one or more components of the product are no listed or exempt from listing on the inventory administered by the governing country(s).

**US Federal Regulations**

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910, 1200.

**SARA 311/312**

Acute Health.

**Superfund Amendments and Reauthorization Act of 1986**

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Delayed hazard                    | No  |
| Fire hazard                       | No  |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | Yes |

**SARA 313 (TRI reporting)**

None known.

**CERCLA**

This material, as supplied, does contain a substance regulated as a 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). Sodium Hydroxide (1310-73-2) – Reportable Quantity=1000 lbs. Potassium Hydroxide (1310-58-3) – Reportable Quantity = 1000 lbs.

**US State Regulations**

**16. OTHER INFORMATION**

|               |                  |                |                    |                                       |
|---------------|------------------|----------------|--------------------|---------------------------------------|
| <b>NFPA</b>   | Health hazards 3 | Flammability 0 | Reactivity 1       | Physical and Chemical Properties None |
| <b>HMIS</b>   | Health hazards 3 | Flammability 0 | Physical hazards 1 | Personal protection B                 |
| Issue Date    | 11-Apr-2015      |                |                    |                                       |
| Revision Date | 29-July-2015     |                |                    |                                       |
| Revision Note |                  |                |                    |                                       |

**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**