



## MATERIAL SAFETY DATA SHEET

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To Reorder Call:  
800-323-2594

### 1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES  
24 Hour INFOTRAC (US and CANADA): **800-535-5053**

**PRODUCT NAME**  
UNITED 165 ACT UP

**USE/DESCRIPTION**  
Foaming Caustic Chiller Coil Cleaner

**REVISION DATE**  
August 29, 2011

#### HMIS III HEALTH (0 = Maximum Safety) 3

Always follow Label Directions and Cautions.

\* Chronic 2 Moderate  
4 Severe 1 Slight  
3 Serious 0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

#### PHYSICAL HAZARD (0 = Maximum Safety) 1

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire. 2 Violent chemical change possible-use hose stream from distance  
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers. 1 Unstable if heated-use precaution.  
0 Normally stable.

#### FLAMMABILITY (0 = Maximum Safety) 0

Susceptibility of Material to Burning.

4 Extremely flammable. 1 Must be preheated  
3 Ignites at normal temperature. to burn.  
2 Ignites when moderately heated. 0 Will not burn.

**PERSONAL PROTECTION: B**



### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Potassium Hydroxide	1310-58-3	1-10	2 mg/m3	NE	365 mg/kg (Rat/oral)	NE
Propane/n-Butane	68476-86-8	6-10	600 ppm	1000 ppm	NE	NE
Sodium hydroxide	1310-73-2	1-10	2 mg/m3	2 mg/m3	NE	NE

### 3. HAZARDS IDENTIFICATION

**Eyes:** May cause burns, irritation, redness or watering and severe eye damage.

**Skin:** May cause burns, irritation, itching, dryness, or redness.

**Inhalation:** Overexposure may cause burning of mucous membranes in nose, throat and lungs.

**Ingestion:** Exposure by ingestion is unlikely since an aerosol, but if occurs: may cause caustic burns to mucous membranes in mouth and throat.

### 4. FIRST AID MEASURES

**Eyes:** Flush with tepid water for at least 15 minutes while holding eyelids open. Call a physician or poison control center immediately.

**Skin:** Wash with soap and water. If irritation persists, call a physician or poison control center.

**Inhalation:** Remove to fresh air. Apply CPR if needed. Call a physician or poison control center immediately.

**Ingestion:** Drink orange juice. Call a physician or poison control center immediately.

### 5. FIRE FIGHTING MEASURES

**Flash Point (TCC):** None

**Explosive Limits:** Lower (LEL): NA Upper (UEL): NA

**Flame Projection (Aerosol):** Product is not required to be labeled as flammable per 16 CFR 1500.3 and 1500.45.

**Hazardous Products of Combustion:** When strongly heated, as in a fire, may produce oxides of carbon.

**Fire and Explosion Hazards:** Contents under pressure. At elevated temperatures (above 120°F/49°C); containers may vent, rupture or burst.

**Extinguishing Media:** Water, Standard dry chemical fire extinguisher.

**Fire Fighting Instructions:** Wear self-contained breathing apparatus w/full protective clothing. Containers should be cooled with water fog to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.

### 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Rinse with water.

**Large Spills:** Wear appropriate protective clothing. Ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Rinse with water.

## 7. HANDLING AND STORAGE

Store in a cool, dry area away from heat or open flame. Do not puncture or incinerate containers. Do not store at temperatures above 120°F/ 49°C. For Industrial and Institutional use only. Avoid breathing vapors or spray mist. Avoid contact with eyes and skin. Wash thoroughly with soap and water after handling. **KEEP OUT OF REACH OF CHILDREN.**

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses or safety goggles are recommended.

**Skin:** Chemical resistant gloves are recommended.

**Respiratory:** None required if good ventilation is maintained. If exposure exceeds TLV levels, use a NIOSH/MSHA approved respirator to prevent overexposure.

**Engineering Controls:** Provide adequate ventilation and local exhaust is generally adequate.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 212°F/100°C    **Specific Gravity:** 1.05 (H<sub>2</sub>O=1)    **Vapor Pressure:** <20 mmHg    **Melting Point:** NA  
**Vapor Density:** 1    **Evaporation Rate:** <1 (Butyl Acetate=1)    **Solubility in Water:** Soluble 100%    **pH:** 13.0  
**Appearance and Odor:** Aerosol; white foam, caustic odor.

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition:** When strongly heated, as in a fire this product may produce oxides of carbon during forced combustion.

**Chemical Stability:** Stable

**Incompatibility:** Avoid contact with strong oxidizing agents, aluminum, alkalies and acids.

## 11. TOXICOLOGICAL INFORMATION

**Carcinogenicity (NTP/IARC/OSHA):** None

**California Proposition 65:** Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

## 12. ECOLOGICAL INFORMATION

ND

## 13. DISPOSAL CONSIDERATIONS

Consult your local, state, provincial and federal regulations for proper disposal guidelines. Do not puncture or incinerate containers. Disposal regulations may be different for each state and/or locality.

## 14. TRANSPORT INFORMATION

**DOT:** Available upon request

**TDG:** Available upon request

**UN:** Available upon request

## 15. REGULATORY INFORMATION

**VOC (Volatile Organic Compounds):** 6.0 %

**TSCA (Toxic Substances Control Act):** Listed

**SARA Title III Section 302 EHS:** ND

**SARA Title III Section 311/312:** ND

**SARA Title III Section 313 Toxic Chemicals:** Sodium hydroxide CAS # 1310-73-2

**WHMIS Classification:**

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

UNITED 165 ACT UP

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