



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 166 POWER UP

USE/DESCRIPTION
Foaming, No Rinse Chiller Coil Cleaner

REVISION DATE
March 4, 2014

HMIS III HEALTH (0 = Maximum Safety) 2

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) 0

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) 2

Susceptibility of Material to Burning.

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

PERSONAL PROTECTION: B



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Tetrasodium EDTA	64-02-8	1-5	NE	NE	3030 mg/kg (Rat/oral)	NE
Diethylene glycol monoethyl ether	111-90-0	1-5	NE	NE	1920-9050 mg/kg (Rat/oral)	NE
2-Butoxyethanol	111-76-2	1-5	20 ppm	50 ppm Skin	470 mg/kg (Rat/oral)	450 ppm/4 hr. (Rat/Inhalation)
Propane/n-Butane	68476-86-8	1-5	1000 ppm	1000 ppm	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: May cause irritation. Can cause burning sensation, redness, and pain.

Skin: May cause irritation on prolonged contact.

Inhalation: Breathing vapors and mists may cause mucous membrane and respiratory irritation. Excessive overexposure may cause headache, dizziness, drowsiness, depressed respiration and heart rate, heat rhythm irregularities, shortness of breath, unconsciousness or death. Intentional misuse by concentrating and inhaling contents may be harmful or fatal.

Ingestion: Exposure by ingestion is unlikely since an aerosol, but if occurs: may cause gastrointestinal irritation, nausea, vomiting, dizziness.

4. FIRST AID MEASURES

Eyes: Flush with plenty of 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. If irritation persists, call a physician or poison control center.

Ingestion: DO NOT induce vomiting. Call a physician or poison control center immediately.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): (of Concentrate Only) >154°F/>68°C **Explosive Limits:** Lower (LEL): 1.8 Upper (UEL): 9.5

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. Keep away from heat and open flames. Container may rupture or explode in the heat of a fire. Prolonged exposure to temperatures above 54°C/130°F may cause cans to burst.

Extinguishing Media: Water spray, Foam, Carbon dioxide, Dry chemical.

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. Remove all sources of ignition. Soak up spill with an inert absorbent and place into a designated disposal container.

Large Spills: Wear appropriate protective clothing. Remove all sources of ignition. Soak up spill with an inert absorbent and place into a designated disposal container.

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. Do not expose to direct sunlight. For Industrial and Institutional use only. NFPA Code 30 B Storage Level Number 1 Aerosol. Avoid breathing vapors or spray mist. Avoid contact with eyes. Avoid prolonged contact with skin or clothing. 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 if needed to avoid prolonged skin contact.

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

Engineering Controls: General ventilation is adequate under normal conditions; mechanical ventilation may be required for use in poorly ventilated areas or when large amounts are used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: NA **Specific Gravity:** 0.9697 (H₂O=1) **Vapor Pressure:** 116 psig @130°F/ 51 psig @70°F **Melting Point:** ND
Vapor Density: >1 **Evaporation Rate:** ND **Solubility in Water:** Soluble **pH:** 12-12.5
Appearance and Odor: Aerosol; hazy, yellow spray with floral odor.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When ignited or strongly heated, as in a fire this product may produce oxides of carbon.

Chemical Stability: Stable

Conditions to Avoid: Keep away from heat, sparks, flames, electric arcs and direct sunlight. Dropping aerosol can may cause bursting.

Incompatibility: Avoid contact with strong oxidizing agents, acids and bases.

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? Yes

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): 8%

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: No

SARA Title III Section 311/312: Immediate Hazard - Yes, Fire Hazard - Yes, Pressure Hazard - Yes, Delayed Hazard - No, Physical Hazard - No

SARA Title III Section 313 Toxic Chemicals: None

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.