



## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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

PRODUCT NAME  
 UNITED 282

USE/DESCRIPTION  
 Ready-To-Use Disinfectant Spray, Cleaner, Deodorizer

REVISION DATE  
 October 31, 2014

#### HMIS III HEALTH (0 = Maximum Safety) 1

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.

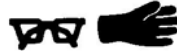
4 May detonate-vacate area if materials are exposed to fire. 2 Violent chemical change possible-use hose stream from distance  
 3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers. 1 Unstable if heated-use precaution.  
0 Normally stable.

#### FLAMMABILITY (0 = Maximum Safety) 1

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)
Diethylene glycol monobutyl ether	112-34-5	5-10	NE	NE	NE	NE
Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	0-5	NE	NE	NE	NE

### 3. HAZARDS IDENTIFICATION

**Eyes:** May cause irritation.

**Skin:** May cause irritation. Prolonged or repeated exposure may cause reddening or aggravate skin disorders.

**Inhalation:** Exposure via inhalation not likely. High vapors may be irritating to mucous membrane of the nose, throat and lungs.

**Ingestion:** May be irritating to the mouth, throat, esophagus, and gastrointestinal system. Vomiting and diarrhea expected with large doses.

### 4. FIRST AID MEASURES

**Eyes:** Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

**Ingestion:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

### 5. FIRE FIGHTING MEASURES

**Flash Point PMCC) :** >201°F/>93.9°C

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

**Flame Projection (Aerosol):** NA

**Hazardous Products of Combustion:** When ignited as in a fire, this product may produce nitrogen and ammonia.

**Fire and Explosion Hazards:** None known

**Extinguishing Media:** Use appropriate methods for combating the surrounding fire.

**Fire Fighting Instructions:** Wear self-contained breathing apparatus w/full protective clothing. Keep containers cool and vapors down with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Mop up or otherwise absorb with an inert material and place in an appropriate waste disposal containers for disposal.

**Large Spills:** Mop up or otherwise absorb with an inert material and place in an appropriate waste disposal containers for disposal.

## 7. HANDLING AND STORAGE

Keep this product in properly labeled, tightly closed containers. Store in cool, dry, well-ventilated area. After handling, always wash hands thoroughly with soap and water. Avoid contact with skin and eyes. Avoid freezing due to container may split or rupture. Do not contaminate water, food or feed by storage or disposal.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses with side shields or safety goggles are recommended.

**Skin:** Impervious (latex, Neoprene) gloves are recommended.

**Respiratory:** Not normally required. If TLV is exceeded, use a NIOSH/MSHA approved respirator.

**Engineering Controls:** Ventilation not usually necessary but should be provided in the event of overexposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** >212°F/>100°C **Specific Gravity:** 1.01 (H<sub>2</sub>O=1) **Vapor Pressure:** ND **Melting Point:** ND

**Vapor Density:** ND **Evaporation Rate:** ~1 **Solubility in Water:** Complete **pH:** 11.7

**Appearance and Odor:** Clear liquid with lemon scent.

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition:** When ignited as in a fire, this product produces oxides of nitrogen and ammonia.

**Chemical Stability:** Stable

**Incompatibility:** Strong acids, alkalis and oxidizers.

## 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

Toxic to fish. Toxic to aquatic organisms. See information on product label.

## 13. DISPOSAL CONSIDERATIONS

Improper disposal of excess pesticide spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instruction consult your local, state, and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

## 14. TRANSPORT INFORMATION

**DOT-Land USA:** Not regulated for transportation.

**IMDG-Ocean:** Available upon request.

**IATA-Air:** Available upon request

## 15. REGULATORY INFORMATION

**VOC(Volatile Organic Compounds):** Not available

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

**SARA Title III Section 302 EHS:** None

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

**SARA Title III Section 313 Toxic Chemicals:** Diethylene glycol monobutyl ether CAS # 112-34-5

**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 282 Ready-To-Use Disinfectant Spray, Cleaner, Deodorizer**

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