



## 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 105

USE/DESCRIPTION  
 Cutting and Tapping Fluid

REVISION DATE  
 April 2, 2008

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

Always follow Label Directions and Cautions.

4 Extreme 3 High 2 Moderate 1 Slight 0 Minimal

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

#### REACTIVITY (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) 3

Susceptibility of Material to Burning.

- |                                   |                              |
|-----------------------------------|------------------------------|
| 4 Extremely flammable.            | 1 Must be preheated to burn. |
| 3 Ignites at normal temperature.  |                              |
| 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)
Ethyl alcohol	64-17-5	40-50	1000 ppm 1880 mg/m3	1000 ppm 1900 mg/m3	NE	NE
Polyalkylene glycol monobutyl ether	9038-95-3	10-20	NE	NE	NE	NE
Amine containing alcohol	Trade Secret *	1-10	NE	NE	NE	NE
Liquefied petroleum gas	68476-86-8	20-40	1000 ppm 1800 mg/m3	1000 ppm 1800 mg/m3	NE	NE

\* Massachusetts Trade Secret Code No. =99-206-098

### 3. HAZARDS IDENTIFICATION

**Eyes:** May cause irritation and corneal inflammation.

**Skin:** Frequent or prolonged contact may cause irritation and/or dermatitis. May aggravate existing skin conditions.

**Inhalation:** Inhalation of vapors or mist can cause irritation of nasal and respiratory passages, dizziness, and headache. Repeated or prolonged inhalation of mist can product delayed lung damage, possibly progressing to death.

**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting, diarrhea and depression of the central nervous system. Aspiration of material into the lungs can cause severe pulmonary injury. Prolonged ingestion may cause liver damage, "fetal alcohol syndrome" in pregnant females, and neuronal degeneration.

### 4. FIRST AID MEASURES

**Eyes:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. Call a physician or poison center.

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

**Inhalation:** Remove to fresh air. If breathing stops give artificial respiration. Call a physician or poison center.

**Ingestion:** DO NOT induce vomiting. Call a physician or poison center immediately. Aspiration of material into lungs can cause chemical pneumonitis.

### 5. FIRE FIGHTING MEASURES

**Flash Point (TCC):** 41°F/ 5°C

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

**Flame Projection (Aerosol):** Extremely Flammable Spray per 16 CFR 1500.3 and 1500.45.

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

**Fire and Explosion Hazards:** Exposure to temperature above 120°F/ 49°C may cause bursting.

**Extinguishing Media:** Water fog, Foam, Carbon dioxide, Dry media.

**Fire Fighting Instructions:** Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

## 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Allow propellant to evaporate. Ventilate area and remove all sources of ignition. Cover with absorbent material and sweep up. Wash area to prevent slipping. Place inert absorbent material in a properly marked closed container for proper disposal.

**Large Spills:** Allow propellant to evaporate. Ventilate area and remove all sources of ignition. Cover with absorbent material and sweep up. Wash area to prevent slipping. Place inert absorbent material in a properly marked closed container for proper disposal.

## 7. HANDLING AND STORAGE

Store in a cool, dry place away from heat, sparks or open flame. Do not store at temperatures above 49°C/ 120°F. For Industrial and Institutional use only. NFPA Code 30B Rating: Level 3 Aerosol.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses are recommended or chemical proof goggles when working with chemicals.

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

**Respiratory:** None needed for proper use in accordance with label directions. If recommended exposure limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

**Engineering Controls:** Mechanical ventilation not normally required and local exhaust is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 170°F/ 76.6°C **Specific Gravity:** 0.862 (H<sub>2</sub>O=1) **Vapor Pressure:** 50 (can:psig@72°F/22°C) **Melting Point:** ND

**Vapor Density:** > 1

**Evaporation Rate:** ND

**Solubility in Water:** Complete

**pH:** NA

**Appearance and Odor:** Clear liquid with alcohol odor.

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition:** Material decomposed by fire may produce oxides of carbon, nitrogen, and phosphorous.

**Chemical Stability:** Stable

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

## 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 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):** 78.36 %

**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:** 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.