



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 167 FORMULA TLD15

USE/DESCRIPTION
 Battery Protector and Cleaner

REVISION DATE
 March 25, 2009

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) 0

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: A



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Ethylene Glycol Monobutyl Ether	111-76-2	1-10	50 ppm	50 ppm	NE	NE
Liquefied Petroleum Gas	68476-86-8	1-10	1000 ppm	1000 ppm	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: May cause irritation. May aggravate existing conditions.

Skin: Prolonged or repeated contact may cause irritation. May aggravate existing skin conditions.

Inhalation: Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or over exposure may cause nausea, dizziness, headache, upper respiratory discomfort and other central nervous system effects.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause pulmonary injury.

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. If irritation persists get medical attention immediately.

Skin: Wash with soap and water. If irritation persists seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.

Ingestion: DO NOT induce vomiting. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): (OF Concentrate Only) None to Boiling **Explosive Limits:** Lower (LEL): NE Upper (UEL): NE

Flame Projection (Aerosol): Non-Flammable spray per 16 CFR 1500.3 and 1500.45.

Hazardous Products of Combustion: When strongly heated, as in a fire, this product may produce carbon dioxide.

Fire and Explosion Hazards: Aerosol container (pressurized) may burst if heated over 120°F/48°C.

Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical.

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing in chemical fires. Cool fire exposed containers to prevent rupturing.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Absorb liquid on vermiculite, floor absorbent or other absorbent material and sweep up. Wash area to prevent slipping.

Large Spills: Allow propellant to evaporate. Remove sources of ignition and ventilate area. Soak up with an inert absorbent and place in designated disposal container. Wash area to prevent slipping.

7. HANDLING AND STORAGE

Do not expose to temperatures exceeding 120°F/48°C. Store in a cool, dry area away from sources of ignition. Keep out of reach of children. Wash hands before eating or smoking after using aerosol. For Industrial and Institutional use only. NFPA Code 30B Rating: Level 1 Aerosol.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses or chemical splash goggles are recommended.

Skin: None needed for proper use in accordance with label directions. Use chemical resistant gloves if hand contact will be made.

Respiratory: None needed for proper use in accordance with label directions.

Engineering Controls: Provide adequate ventilation to keep vapor concentration below TLV and prevent accumulation of excessive vapors.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: -212°F/-136°C (concentrate only) **Specific Gravity:** 1.046 @70°F/21°C (H₂O=1) **Vapor Pressure:** 55 psig

Melting Point: ND **Vapor Density:** > 1 (air=1) **Evaporation Rate:** ND **Solubility in Water:** Complete **pH:** 9.72

Appearance and Odor: Aerosol; orange liquid with ammonia scent.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When strongly heated, as in a fire, this product may produce carbon dioxide.

Chemical Stability: Stable

Incompatibility: Avoid contact with strong oxidizing agent and nitrous compound.

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. Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. 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): 6.33%

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: Ethylene Glycol Monobutyl Ether CAS#111-76-2

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 167 FORMULA TLD15

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