



MATERIAL SAFETY DATA SHEET

320 37th Avenue, St. Charles, Illinois 60174 • 214 Dolomite Drive, Downsview, Ontario M3J2N2
www.unitedlabsinc.com

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 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 176

USE/DESCRIPTION
 Dry Fog ULD Total Release Insect Fogger

REVISION DATE
 May 16, 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) 1

Susceptible to Release of Energy.

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

FLAMMABILITY (0 = Maximum Safety) 2

Susceptibility of Material to Burning.

- 4 Extremely flammable.
- 3 Ignites at normal temperature.
- 2 Ignites when moderately heated.
- 1 Must be preheated to burn.
- 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)
Paraffinic, Naphthenic Solvent	64742-47-8	8-10	100 ppm	NE	NE	NE
Propane	74-98-6	15-20	2500 ppm 4508 mg/m3	1000 ppm 1800 mg/m3	NE	NE
n-Butane	106-97-8	15-20	800 ppm	NE	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: May cause mild irritation.

Skin: Prolonged or repeated contact may cause irritation and possibly dermatitis.

Inhalation: May cause nasal, eye, and respiratory irritation. Intentional misuse by concentrating and inhaling the product can be harmful or fatal.

Ingestion: Exposure by ingestion is unlikely since this product is an aerosol. May cause mouth, throat, stomach irritation. Also, nausea, vomiting, and diarrhea. Possible aspiration hazard-may cause inflammation of the lungs.

4. FIRST AID MEASURES

Eyes: Flush with plenty of water for at least 15-20 minutes while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. If irritation persists, call a physician or poison center.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If irritation persists, call a physician or poison center.

Inhalation: Move victim to fresh air. If breathing has stopped, call 911 or an ambulance., then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison center or doctor for treatment advice.

Ingestion: DO NOT induce vomiting. Rinse mouth. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a physician or poison center immediately.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): 152°F/66°C Concentrate, <0°F/-17°C propellant **Explosive Limits:** Lower (LEL): ND Upper (UEL): ND

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

Hazardous Products of Combustion: When strongly heated, as in a fire, this product may carbon monoxide and hydrocarbon vapors.

Fire and Explosion Hazards: Do not expose aerosols to temperatures above 130°F/54°C, cans may burst, rupture or vent. Heat or fire may release carbon monoxide.

Extinguishing Media: Carbon dioxide, dry chemical, foam or water spray.

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing. Containers should be cooled with water to prevent vapor pressure build up.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Remove sources of ignition and ventilate area. Soak up with an inert absorbent like clay or mineral sorbents and place in designated disposal container. Wash area thoroughly.

Large Spills: Remove sources of ignition and ventilate area. Soak up with an inert absorbent like clay or mineral sorbents and place in designated disposal container. Wash area thoroughly.

7. HANDLING AND STORAGE

Store in a cool, dry place. Keep away from direct sunlight and sources of ignition. Wash hands and face thoroughly after using product. Remove contaminated clothing immediately and wash thoroughly with soap and water before reusing. Do not contaminate food, feed or seed by storage or disposal. Do not expose to temperatures above 130°F/54°C. NFPA 30 B Storage Code: Level 1.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety goggles recommended.

Skin: Chemical resistant gloves recommended.

Respiratory: None required if good ventilation is maintained. If TLV is exceeded, use NIOSH approved respirator.

Engineering Controls: Ventilation and local exhaust is generally adequate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 114.8°F/46/1°C estimate **Specific Gravity:** 0.7583 estimate (H₂O=1) **Vapor Pressure:** ND **Melting Point:** ND

Vapor Density: ND **Evaporation Rate:** ND **Solubility in Water:** Slight **pH:** 5.43 – 6.43

Appearance and Odor: Off-white aerosol spray with characteristic 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 nitrogen.

Chemical Stability: Stable

Incompatibility: Avoid 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. Aerosol cans when vented to atmospheric pressure through normal use pose no disposal hazard.

14. TRANSPORT INFORMATION

DOT:

TDG: Available upon request

UN: Available upon request

15. REGULATORY INFORMATION

VOC(Volatile Organic Compounds): 43.6%

TSCA (Toxic Substances Control Act): ND

SARA Title III Section 302 EHS: NO

SARA Title III Section 311/312: Yes

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.

UNITED 176 Dry Fog ULD Total Release

PREPARED BY: Sandy Kopacz