



MATERIAL SAFETY DATA SHEET

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To Reorder Call:
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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 176

USE/DESCRIPTION
Dry Fog ULD Total Release Insect Fogger

REVISION DATE
May 7, 2014

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.	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
3 Ignites at normal temperature.	to burn.
2 Ignites when moderately heated.	0 Will not burn.

PERSONAL PROTECTION: A



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Isoparaffinic Hydrocarbon	64742-47-8	8-10	400 ppm	400 ppm	5 g/kg (Oral/Rat)	5mg/L (4 hr) Inhalation/Rat
Propane/n-Butane	68476-86-8	30-40	1000 ppm	NE	NE	NE

3. HAZARDS IDENTIFICATION

Routes of Entry: Inhalation, Skin, Ingestion

Eyes: May cause mild irritation and redness.

Skin: May cause mild irritation. Prolonged use may cause defatting of skin.

Inhalation: May cause nasal and respiratory irritation, nausea and nervous system disorders. 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 nausea, vomiting, diarrhea and cramps. 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): >200°F/>93°C

Explosive Limits: Lower (LEL): NA Upper (UEL): NA

Auto ignition temperature: NA

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

Fire and Explosion Hazards: Do not expose aerosols to temperatures above 120°F/49°C, cans may burst, rupture or vent. Keep away from open flames and sources of ignition. Liquid may burn when heated.

Extinguishing Media: Dry chemical, alcohol foam, alcohol-resistant foam, water fog, or carbon dioxide.

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. Do not allow to drain into sewers or storm drains. Wash area thoroughly. See section 13 for disposal considerations.

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 132°F/49°C. Follow label directions exactly. Vapor may collect in low lying areas.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses are always recommended when using chemicals.

Skin: Not required under normal use.

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: 450°F/232°C **Specific Gravity:** ~0.85 (H₂O=1) **Vapor Pressure:** <17@77F/25C **Melting Point:** ND
Vapor Density: <1@77F/25C **Evaporation Rate:** <1 (Butyl acetate=1) **Solubility in Water:** 55% **pH:** NA
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 carbon.

Chemical Stability: Stable

Conditions to avoid: Open flames, temperatures over 120F/49C

Incompatibility: Avoid strong oxidizers, alkalis, and acids.

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

Contains oil do not let residue come in contact with waterways in the United States.

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. Considered Non-hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

14. TRANSPORT INFORMATION

DOT-Land: Consumer commodity ORM-D

TDG: Available upon request

UN: Available upon request

15. REGULATORY INFORMATION

VOC(Volatile Organic Compounds): 35%

TSCA (Toxic Substances Control Act): All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act Chemical Substance Inventory.

SARA Title III Section 302 EHS: NO

SARA Title III Section 311/312: None

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

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