# UNITED 177



# **MATERIAL SAFETY DATA SHEET**

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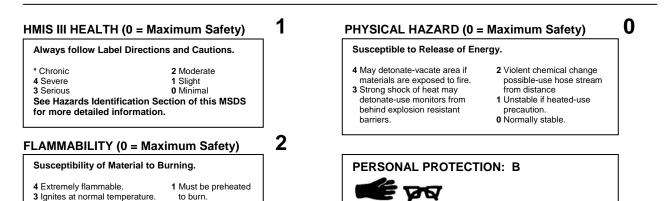
To Reorder Call: 800-323-2594

# **1. PRODUCT AND COMPANY IDENTIFICATION**

#### PRODUCT NAME UNITED 177 SUNSHINE IN A CAN

USE/DESCRIPTION Spray and Wipe Degreaser-Cleaner

#### FOR MEDICAL AND TRANSPORTATION EMERGENCIES 24 Hour INFOTRAC (US and CANADA): 800-535-5053 REVISION DATE December 29, 2010



# 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
1,1,1,2-Tetrafluoroethane	811-97-2	1-5	NE	NE	NE	NE

# 3. HAZARDS IDENTIFICATION

2 Ignites when moderately heated. 0 Will not burn.

**Eyes:** May cause irritation.

Skin: Prolonged or repeated contact may cause irritation.

Inhalation: Mists of this product may irritate nasal passages. Intentional misuse by concentrating and inhaling the product can be harmful or fatal.

Ingestion: Exposure by ingestion of an aerosol is unlikely. Swallowing large amounts may cause nausea, upset stomach and vomiting.

#### 4. FIRST AID MEASURES

**Eyes:** Flush with plenty of water for 15 minutes and call a physician.

Skin: Wash off with soap and water. If irritation persists, call a physician.

Inhalation: Remove to fresh air. Apply artificial respiration if needed and call a physician.

**Ingestion:** Induce vomiting under the direction of a physician. Never give anything by mouth to an unconscious person. Call a physician immediately.

#### 5. FIRE FIGHTING MEASURES

 Flash Point (TCC):
 -156F/-104.4C Propellant
 Explosive Limits:
 Lower (LEL): ND
 Upper (UEL): ND

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

Hazardous Products of Combustion: When strongly heated, as in a fire, this product may produce oxides of carbon and nitrogen. Fire and Explosion Hazards: At elevated temperatures (over 49°C/120°F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure. Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

Extinguishing Media: Water, Water fog, Foam, Dry chemical powder, 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. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers..

# 6. ACCIDENTAL RELEASE MEASURES

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. After removal flush contaminated area thoroughly with water.

**Large Spills:** Eliminate all ignition sources. Stop leak if you can do so without risk or move to a safe and open area if the leak is irreparable. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. After removal flush contaminated area thoroughly with water.

## 7. HANDLING AND STORAGE

Avoid breathing vapor. Pressurized container: Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 120°F (49C). Store as Level 1 Aerosol (NFPA 30B)

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses are recommended.

Skin: Chemical resistant gloves recommended only for prolonged or repeated exposure.

**Respiratory:** None required if good ventilation is maintained. If exposure exceeds occupational exposure limits, use a NIOSH approved respirator to prevent overexposure.

Engineering Controls: General ventilation is adequate under normal conditions, mechanical ventilation is optional.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

 Boiling Point:
 ~185F/85C
 Specific Gravity:
 ~0.9979 (H2O=1)
 Vapor Pressure:
 91-101 psig@
 70F/21C
 Melting Point:
 ND

 Vapor Density:
 ND
 Evaporation Rate:
 ND
 Solubility in Water:
 Partially
 pH: 9.1 – 10.1

 Appearance and Odor:
 Aerosol, clear semi-stable foam with a clean light botanical scent.
 Phi
 Phi
 Phi

# **10. STABILITY AND REACTIVITY**

Hazardous Polymerization:Will not occur.Hazardous Decomposition:No hazardous decomposition products are known.Chemical Stability:StableIncompatibility: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? No

# **12. ECOLOGICAL INFORMATION**

ND

# **13. DISPOSAL CONSIDERATIONS**

Consult your local, state, provincial 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:** Available upon request **TDG:** Available upon request **UN:** Availabale upon request

## 15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): <1% 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.

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