**SECTION I** CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: OFFICE DEPOT CLEANING DUSTER

Product Number: 0329576 (QPL0100) & 0616959 (QPL0300)

Chemical Name: 1,1,1,2-Tetrafluoroethane

Manufacturer: QPL, INC.

Address: 800 S. ACADIA ROAD

THIBODAUX, LA  70301

Telephone Number: (985) 449-0660

Web Site: www.qplchem.com

Emergency numbers:

Chemtrec (800) 424-9300

Control Center (Louisiana) (800) 256-9822

Date Prepared: 8/00

Revised 10/09

**SECTION II** HAZARDOUS COMPONENTS

Hazardous Components: Case No. ACGIH TLV PEL (OSHA)

1,1,1,2-Tetrafluoroethane 811-97-2 Not Est. Not Est.

Ethanol 64-17-5 Low order of toxicity

Denatonium Benzoate 3734-33-6 (LD50):58 mg/kg [rat]

Notes:

(1) NPCA-HMIS Rating:

Health: 1

Flammability: 0

Reactivity: 0

Personal Protection: X (See Section VIII)

This Chemical is not listed as a Carcinogen or potential Carcinogen with: NTP Status, IARC Status or OSHA List.

**SECTION III** PHYSICAL DATA

Boiling Point: -15.7°F @ 736 mm Hg

Solubility in water: Slight

Vapor pressure: 96 psia @ 70°F

Volatile (% by weight): 100%

Vapor Density (Air = 1): 3

Density: 1.20 g/cc @ 77°F

Description: A colorless, clear liquefied gas with a slight ethereal odor. Bitter taste.

**SECTION IV** FIRE & EXPLOSION HAZARDS

Flash Point: None Method Used: TOC

Flammable Limits: NOT APPLICABLE

Extinguishing Media: As appropriate for combustibles in area

Special fire fighting procedures: Self-contained breathing apparatus. Positive pressure type.

Unusual fire and explosion hazards: None (material itself is not flammable)

**SECTION V** REACTIVITY DATA

Stability: Yes

Incompatibility (Materials to Avoid): Strong oxidizers and high temperatures above 130°F. Strong acids or bases. Alkaline earth materials.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: High temperatures and sources of ignition such as sparks.
Hazardous Decomposition Products: Source – High Heat, forming hydrofluoric acid and possible carbonyl fluorine.

**SECTION VI** HEALTH HAZARD DATA

Primary Routes of Entry; Effects of Overexposure:

Eye: Acute – irritation and redness, tearing and blurred vision.
Inhalation: Acute – excessive inhalation may cause temporary alteration of the heart’s electrical activity with irregular pulse, palpitations or inadequate circulation. Intentional misuse can be fatal.
Skin: Prolong and excessive skin contact may cause frostbite.
Ingestion: Not considered a potential route of entry. (Do not administer adrenaline following exposure.)

EMERGENCY / FIRST AID PROCEDURES:

If in Eyes: Flush with water for 15 minutes. Seek medical help if irritation persists.
If on Skin: Wash with soap and water. If frostbit treat by warming affected area.
If Swallowed: Not considered a potential route of entry.
If inhaled: Remove to fresh air. Administer artificial respiration, if needed. If breathing is difficult give oxygen. Call a physician.

Note to Physician: Because of possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should be considered only as a last resort in a life threatening emergencies.

**SECTION VII** PRECAUTIONS FOR SAFE HANDLING AND USE

If Material is released or spilled: Ventilate area – especially low areas where heavy vapors may collect. Protect from open flames.
Waste Disposal Method: **DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS**
Handling/Storing Precautions: Store in a dry area, away from heat sources or high ambient temperature. OK to store at freezing temperatures.
Other Precautions: Keep away from children. For professional or industrial use only.

**SECTION VIII** SPECIAL PROTECTION DATA

Respiratory: No respiratory protection is needed under normal outdoor or well-ventilated working conditions.
Ventilation: Provide normal ventilation for standard manufacturing procedures.
Eyes: Splash proof safety glasses/goggles are recommended. See safety consultant.
Gloves: Butyl rubber or neoprene is recommended for prolonged contact.

**SECTION IX** SPECIAL PRECAUTIONS

Aquatic Toxicity: Not Applicable

Shipping Information:

Proper Shipping Name: 1,1,1,2-tetrafluoroethane
Hazard Class: Non-flammable gas, 2.2
UN#: 3159
DOT/IATA Label: Non-flammable Gas

Air Freight Method:

DOMESTIC (DOT) & INTERNATIONAL AIR (IATA)

Passenger - Package max. Wt. 75kg
Cargo – Package max. Wt. 150kg

NA = not applicable ND = not determined < = less than
>= Greater than UNK = unknown

NOTE: The information accumulated herein is believed to be accurate but in not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.