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# MATERIAL SAFETY DATA SHEET

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## *OFFICE DEPOT CLEANING DUSTER*

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### **\*\*SECTION I\*\*      CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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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**

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### **\*\*SECTION II\*\*      HAZARDOUS COMPONENTS**

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Hazardous Components:	Case No.	ACGIH	TLV	PEL (OSHA)
1,1,1,2-Tetrafluoroethane	811-97-2	Not Est.		Not Est.
<b>Ethanol</b>	<b>64-17-5</b>	<b>Low order of toxicity</b>		
<b>Denatonium Benzoate</b>	<b>3734-33-6</b>	<b>(LD50):58 mg/kg [rat]</b>		
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.

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### **\*\*SECTION III\*\*      PHYSICAL DATA**

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Boiling Point: -15.7°F @ 736 mm Hg  
Solubility in water: Slight  
Vapor pressure: 96 psia @ 70°F  
Volatiles (% 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.

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### **\*\*SECTION IV\*\*      FIRE & EXPLOSION HAZARDS**

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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)

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### **\*\*SECTION V\*\*      REACTIVITY DATA**

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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.

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Hazardous Decomposition Products: Source – High Heat, forming hydrofluoric acid and possible carbonyl fluorine.

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## **\*\*SECTION VI\*\* HEALTH HAZARD DATA**

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### 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.)

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### **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 cardiarrhythm, catecholamine drugs, such as epinephrine, should be considered only as a last resort in a life threatening emergencies.

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

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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.

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## **\*\*SECTION VIII\*\* SPECIAL PROTECTION DATA**

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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.

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## **\*\*SECTION IX\*\* SPECIAL PRECAUTIONS**

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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	

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NOTE: The information accumulated herein is believed to be accurate but is 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.