

MATERIAL SAFETY DATA SHEET

RUSH PRECISION CONTACT CLEANER (Part No: 7250 Aerosol)

SECTION I CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: RUSH PRECISION CONTACT CLEANER (Aerosol)
Product Number: QPL-7250
Chemical Name: 1,1-Dichloro-1-Fluorethane (141b)
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: 10/95

SECTION II HAZARDOUS COMPONENTS

Hazardous Components:	CAS NO.	ACGIH TLV	OSHA PEL	Hazardous OSHA/ACGIH
Dichloro-Fluoroethane (141b)	1717-00-6	500 ppm	500 ppm	List
Propellant CO2	124-38-9			

NOTES:

(1) NPCA-HMIS RATING: Health – 1 Flammability – 0 Reactivity – 1 Personal Protection: X (See Section VIII)

TOXICITY:

Route:	Animal:	Data:
Oral	Rat	LD50>5 GM/KG
Dermal	Rat	LD50>2 GM/KG
Inhalation	Rat	4 Hr LC50=62,000ppm

Ingredients found on one of the OSHA designated carcinogen lists are listed below: None

Delayed (Sub chronic & chronic Effects):

Sub chronic: Fischer 344 Rats – Slightly toxic – 20,000 ppm

Chronic Inhalation: 20,000 ppm

Male rats exposed by inhalation of 5,000 ppm or greater (6 hour per day, 5 days per week for 2 years) were found to have a small but statistically significant number of late developing benign testicular tumors. THERE IS NO EVIDENCE TO SHOW SIMILAR EFFECTS IN HUMANS. NOEL 1,500 PPM

SECTION III PHYSICAL DATA

<u>Boiling Point:</u>	>89.6 Deg. F	<u>Solubility in water:</u>	Slight
<u>Vapor pressure:</u>	(mm-Hg)	<u>Volatiles (% by weight):</u>	100 %
<u>(Air=1):</u>	4.0	<u>Specific Gravity (H2O=1):</u>	1.25
<u>Description:</u> An aerosol, pressurized spray of dichlorofluoroethane powered by carbon dioxide gas (CO2).			

SECTION IV FIRST & EXPLOSION HAZARDS

Flash Point: None
Flammable Limits LEL: 7.6 UEL: 17.7
METHOD USED: TCC
Extinguishing Media: Water, CO2, and Dry Media, Foam.
Special fire fighting procedures: Self contained breathing apparatus. Positive pressure type.
Unusual fire and explosion hazards: None (Material itself is not flammable.)

NFPA CODES: HEALTH – 1 FLAMMABILITY – 0 REACTIVITY – 1

SECTION V REACTIVITY DATA

Stability: YES
Incompatibility (Materials to Avoid): Strong oxidizers and high temperatures above 130 Degrees F. Strong acids or bases. Alkaline earth metals.
Hazardous Polymerization: Will not occur
Conditions to Avoid: High Temperatures and sources of ignition such as sparks.
Hazardous Decomposition Products: Hydrochloric and hydrofluoric acids; and carbonyl halides such as phosgene.

****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 blurred, nasal and respiratory irritation, headache, nausea, dizziness, possible unconsciousness and even asphyxiation.

Skin: Acute – Dryness and defatting. Irritation, Redness.

Ingestion: Acute – can cause gastrointestinal irritation, nausea, diarrhea, and possible narcosis. (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. Seek medical help if irritation persists.

If Swallowed: Contact poison control center. **Do not induce vomiting.** Contact medical help, immediately.

If inhaled: Remove to fresh air. Administer artificial respiration or oxygen, if needed.

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

If Material is released or spilled: If containers are intact, simply repackage. If containers are ruptured absorb liquid with dry media, such as vermiculite. Take precautions to prevent ground contamination.

Waste Disposal Method: Wrap empty container in newspaper and dispose of in trash. ****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 temperatures. 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. For use in confined areas and where workplace exposure limits are exceeded (see section II), utilize a NIOSH/MSHA approved respirator.

Ventilation: Provide sufficient ventilation (general and/or local exhaust) to maintain exposures below TLV(s).

Eyes: Splash proof safety glasses/goggles are recommended. See safety consultant.

Gloves: Butyl rubber or neoprenes are recommended for prolonged contact.

****SECTION IX** SPECIAL PRECAUTIONS**

This product is not readily biodegradable in wastewater systems and is toxic to marine life. The aerosol uses no hydrocarbon or chlorofluorocarbon propellants.

Ecotoxicological Information

48-Hr EC50 Daphnia Magna: 31.2MG/L, slightly toxic

96-Hr Zebra Fish (Static): 126 MG/L, Practically non=toxic

Chemical Fate Information: Bases on its low N=Octanol/water partition coefficient (Log POW 2.3), Bioaccumulation of 141b is considered unlikely.

Shipping Information: Dichlorofluoroethane is not regulated when shipped domestically by land or water. If shipped by air (IATA):

Other Regulated Substances; Class 9; ID No. 8027 (Miscellaneous Label).

NA = not applicable

ND = not determined

< = less than

> = Greater than

UNK = unknown

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.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendee assumes the risk in his use of the material.