

# Material Safety Data Sheet

Section I – Product Information	
Item Name: RADO™ Gum Remover	
Company's Name: CAF, LLC	Company's General Phone Number: (425) 837-0025
Company's Address: P.O. Box 1121 Maple Valley, Washington 98038	24-Hour Emergency Number: (425) 837-0025 ext. 5 (888) 737-0025 ext. 5
Date MSDS Prepared: October 30, 2007, Revised November 10, 2009	email: <a href="mailto:sales@mycaf.com">sales@mycaf.com</a>

Section II – Hazardous Ingredients			
Chemical Name/Common Name:	CAS NO.	PERCENT	TWA/TLV
1,1,1,2 Tetrafluoroethane	811-97-2	100	Not Established
No reportable quantities of hazardous ingredients are present. No hazardous ingredients subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.			

Section III – Physical Characteristics	
Boiling Point (dF): -15.7	Appearance/Odor: Clear colorless liquid, faint ether-like odor
pH: N/A	Vapor Density (Air=1): 3.6 @ 77 dF
Vapor Pressure of can (psig @70dF): 90	Liquid Density (H2O=1) @ 77 dF: 1.203
Total VOC (Volatile Organic Compound) %: 0%	Solubility in Water: 0.15 WT%@25 dC

Section IV – Fire and Explosion Data	
Flash Point (of Concentrate Only): Will Not Burn	Flammability (as per USA Flame Projection Test): Non-Flammable Spray
Extinguishing Media: Foam, CO2, Dry Media	
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.	
Unusual Fire and Explosion Hazards: Exposure to temperature above 120 dF may cause bursting.	

Section V – Reactivity Data	
Stability: Material stable, however, avoid open flames and exposure to high temperatures.	Hazardous Polymerization: Will not Occur
Incompatibility: Alkali or alkaline earth metals- powdered Al, Zn, Be, etc.	
Hazardous Decomposition: This material can be decomposed by high temperatures (open flames, glowing metal surfaces, etc) forming hydrofluoric acid and possibly carbonyl fluoride.	

Section VI – Health Hazard Data	
Primary Routes of Exposure: Eye - yes Skin-yes Ingestion-not considered potential route of exposure Inhalation-yes Other	
Signs and Symptoms of Over-exposure: EYES: Frostbite like effects may occur if the liquid or escaping vapors contact the eyes. SKIN: Immediate effects of overexposure may include: Frostbite if liquid or vapor contact is made with skin. INHALATION: Inhalation of high concentrations of vapor is harmful and may cause heart irregularities, unconsciousness, or death. Intentional misuse or deliberate inhalation may cause death without warning. Vapors are heavier than air and may accumulate in low lying or confined areas. INGESTION: Ingestion is not considered a potential route of exposure.	

Section VII – Emergency & First Aid Procedures	
Eye: In case of contact, immediately flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. Call a physician.	
Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician. Treat for frostbite if necessary by gently warming affected area. Wash contaminated clothing before reuse.	
Ingestion: Ingestion is not considered a potential route of exposure.	
Inhalation: If high concentrations are inhaled, immediately remove to fresh air. Keep person calm. If not breathing, give artificial respiration. 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 used with special caution in situations or emergency life support.	

Section VIII – Spill or Leak Procedure	
Steps to be Taken in Case of Spill or Leak: Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, State and local laws.	

Section IX – Special Protection Information	
Respiratory Protection: None required for proper use in accordance with label directions.	
Ventilation Requirements: Provide local exhaust to keep TLV of Section II ingredients below acceptable limits.	
Protective Gloves: None required for proper use in accordance with label directions. Use impervious gloves if hand contact will be made.	
Eye Protection: None required unless it is anticipated that a splash or spray back will occur, then wear safety glasses or chemical proof goggles.	

Section X – Storage and Handling Information	
KEEP OUT OF REACH OF CHILDREN. For industrial and institutional use only. Store in a cool, dry area away from heat or open flame. Do not store at temperatures above 120 dF. NFPA Code 30B Rating: Level 1 Aerosol.	

Section XI – Disposal Considerations	
Waste Disposal Method: Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and local authorities for approved procedures.	

*The information contained herein is based on data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data.*