

## (MSDS)

UNION NUMBER: 567 - BADGER PROPEL STARTER SIZE 6OZ

IDENTITY (As Used On Label and List): BADGER PROPEL STARTER SIZE 6OZ

Emergency Medical Telephone Number 8002285635X009 (24 HRS)

PRODUCT HAZARD RATINGS: Health = 1 , Fire = 4, Reactivity = 1 , Protective Equipment = \*B (HMIG)  
(Rating Legend: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

## Section I

BADGER AIR BRUSH CO INC  
9128 WEST BELMONT AVE

TELEPHONE NUMBER FOR INFORMATION:

FRANKLIN PARK  
IL 60131DATE PREPARED: 04/23/98  
NAME OF PREPARER: Susan Heiser

## Section II - Hazardous Ingredients/Identity Information

Chemical Names	Exposure Limits (LD50-Oral Rat)	SARA Title III SEC 313	ACGIH TLV/TWA	OSHA % By Wt. PEL
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1,1 Difluoroethane (CAS# 75-37-6)	NA	NO	NE	NE >75.0
Butane (CAS# 106-97-S)	NA	NO	800 ppm	800 ppm 5-20

Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard.

Hazardous Components Listed As A Suspected Carcinogen: None

## Section III - Physical Characteristics

Boiling Point: -11 F	Vapor Pressure (psig): 53-57 @130F	Specific Gravity (H2O=1): <1
Solubility/Water: Negligible	Vapor Density (AIR=1): >1	Evaporation Rate (Ether=1): <1
Appearance and Odor: Clear, water white liquid with a sweet odor.		

## Section IV - Fire and Explosion Hazard Data

**Aerosol Flammability:** This product is considered to be extremely flammable as described in 16CFR 1500.45.**Flammable Limits - % Volume In Air (Propellant):** LEL: 4.0 UEL: 17.0**Extinguishing Media:** Carbon dioxide, foam and/or dry chemical may be used.**Special Fire Fighting Procedures:** 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.**Unusual Fire and Explosion Hazards:** At elevated temperatures (over 54C-130F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

## Section V - Reactivity Data

**Stability:** Stable**Hazardous Polymerization:** NA**Incompatibility (Materials to Avoid):** Alkali or alkaline earth metals. **Hazardous Decomposition****Products:** Hydrofluoric acid, carbonyl fluoride, oxides of carbon and additional toxic chemicals may be formed in small amounts.**Conditions to Avoid:** Do not store above 54C-130F. Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.

## Section VI - Health Hazard Data

**Route(s) of Entry:** **Inhalation: X** **Eyes: X** **Skin: X** **Ingestion: X**  
**Signs and Symptoms of Exposure:** Overexposure by inhalation may cause nausea, headache, or temporary nervous system depression with anesthetic effects such as dizziness, confusion, and loss of consciousness. Eye or skin contact with liquid may cause freezing or frostbite. **Medical Conditions Generally Aggravated by Exposure:** Individuals preexisting diseases of the central nervous system or cardiovascular system may have increased susceptibility to the toxicity of excessive vapors.  
**Emergency and First Aid Procedures:** **Eye Contact:** Flush eyes with large amounts of water for 15 minutes while holding eyelids open. Seek medical attention. **Skin Contact:** Flush skin with water. Treat for frostbite if necessary by gently warming affected area. Seek medical attention. **Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Seek medical attention. **Ingestion:** Seek medical attention. Not considered a potential route of exposure.  
**Notes to Physicians:** Because of possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should be used with special caution only in situations of emergency life support.

## Section VII - Precautions for Safe Handling and Use

**Releases or Spilled:** Remove all sources of ignition and provide good ventilation.  
**Waste Disposal Method:** Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.  
**Handling And Storing:** Avoid breathing vapor. 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 130F (54C). Store as Level 3 Aerosol (NFPA 30B).  
**Other Precautions:** Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

## Section VIII - Employee Protection

**Respiratory Protection (Type).** None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.  
**Ventilation:** Local exhaust is adequate under normal conditions, mechanical ventilation is optional.  
**Protective Gloves:** Optional: Chemical resistant gloves\*.  
**Eye Protection:** Chemical safety glasses are recommended\*.  
**Other Protective Clothing or Equipment:** Wear impervious clothing to prevent skin contact.  
**Work/Hygienic Practices:** Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

## Section IX - Other Regulatory Controls

**Governmental Listings:** Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

## Section X - Transportation (D.O.T. Classification)

**Shipping Name:** Consumer Commodity **Hazard Class:** ORM-D

**NG-- Negligible** **NA-- Not Applicable** **NE-- Not Established** **UN- - Unavailable** **ND-- Not Determined**

*While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.*

*Created: March 4, 1998*