



Safety Data Sheet

Falcon Safety Horns

Section 1. Identification

Product Identifier	Falcon Safety Horns		
Synonyms	Super Sonic: SSN, SSNR, SSCN, TAD4N; Mighty Sonic: MSN, MSNR; Sound 911: 911, 911PSH, 911PSHR, 9112R; Push Button: PBSHN, PBSHNR, PBSHNCN, PBSHNCSH, PBSHNRCN; Push Button Jr.: PBNJC, PBNJR; Commander-4: FC4N, FNR; SuperSound: SH3, SH3R; Aqua Blast: PWH, PWHR		
Manufacturer Stock Numbers	N/A		
Product Cas	811-97-2		
Recommended use	Personal Safety - Hand Held Signaling device. Prior to use, read all label instructions and warnings. Use only as directed.		
Uses advised against	Keep out of reach of children. Intentional misuse by deliberately concentrating and/or inhaling contents may be fatal. This safety device creates a loud noise and should not be used unnecessarily or near ears.		
Manufacturer Contact			
Address	Falcon Safety Products, Inc. 25 ImClone Drive Branchburg, NJ, 08876 USA		
	Phone	Emergency Phone	Fax
	(908) 707-4900	(800) 498-7192	N/A

Section 2. Hazards Identification

Classification	GASES UNDER PRESSURE - Compressed gas
Signal Word	Warning
Pictogram	
Hazard Statements	Contains gas under pressure; may explode if heated
Precautionary Statements	

Response	N/A
Prevention	N/A
Storage	Protect from sunlight. Store in a well-ventilated place.
Disposal	N/A
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	Do not expose to temperatures above 120 degrees F (49 degrees C) as overheating could cause can to burst. DO NOT leave in direct sunlight or enclosed vehicle.
	No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
811-97-2	Ethane, 1,1,1,2-tetrafluoro-	100 %

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Eye	Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
Skin	For liquid contact, warm areas gradually by flushing with lukewarm water. Do not rub affected area, If blistering occurs, apply a sterile dressing. Seek medical attention.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion	Is not considered a potential route of exposure.
Notes to Physician	Because of possible disturbances of cardiac rhythm catecholamine drugs, such as epinephrine, which may be used in situations of emergency life support, should be used with special caution.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	This material is not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	N/A
Fire fighting instructions	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Additional Information	Hazardous decomposition products may include: Hydrogen Flouride, Carbonyl flouride, Carbon Oxides.

Section 6. Accidental Release Measures

Clean-up	Stop release if it can be done safely. Ventilate area using forced ventilation, especially close to floor or ground. Evaporation occurs rapidly and vapors are heavier than air and can collect in low lying areas. Wear a self-contained breathing apparatus and appropriate Personal protection. (See Exposure Controls/Personal Protection section.)
Containment	Water spray may be useful in minimizing or dispersing vapors.
Safeguards (Personnel)	Evacuate personnel to safe areas. Ventilate the area. Refer to protective measures listed in sections 7 and 8.

Section 7. Handling and Storage

Storage Temperature	Do not expose to temperatures above 120 degrees F (49 degrees C) as overheating could cause can to burst. DO NOT leave in direct sunlight or enclosed vehicle.
Handling (Personnel)	Avoid breathing vapors or mist. Avoid contact with skin, eyes and clothing. Provide sufficient air exchange and/or exhaust in work rooms. For personal protection see section 8. Handle in accordance with good industrial hygiene and safety practice.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Ethane, 1,1,1,2-tetrafluoro-	N/A	N/A	N/A
Personal Protective Equipment	N/A			
Skin and body protection	As required by employer code. If there is risk of skin contact, wear protective clothing, gloves, etc. Direct contact with liquid can cause frostbite.			
Eye-Face Protection	As required by employer code. If there is a risk of contact with the eyes or face, wear safety glasses with side shields.			
Engineering Controls	Use with adequate ventilation. Keep container tightly closed.			
Respirators	If respiratory protection is required (large release, clean-up) wear NIOSH approved protection as appropriate.			

Section 9. Physical and Chemical Properties

Physical State	Gas
Color	Clear
Odor	Slight Ethereal
Odor Threshold	No data
Solubility	Slightly
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	No Data
Specific Gravity	1.24
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	None per ASTM E681
FP Method	None per ASTM E681
Ph	N/A
Melting Point	N/A
Boiling Point	-15 degrees F/-26.5C
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	>1(Ethyl Ether=1.0)
Flammability	N/A
Decomposition Temperature	No Data
Auto-ignition Temperature	No Data
Vapor Pressure	70 PSIG @ 70 degrees F
Vapor Density	3.5

Section 10. Stability and Reactivity

Stability	Stable under recommended storage conditions.
Conditions to Avoid	Aerosol containers are unstable at temperatures above 120 degrees F/49 degrees C.
Incompatible Materials	Alkali or Alkaline Earth Metals. Powdered Metal. Powdered Metal Salts.
Hazardous Decomposition Products	Carbon Oxides, Hydrogen Fluoride, Carbonyl Fluoride, Fluorocarbons
Conditions to Avoid	To avoid thermal decomposition, do not overheat.

Section 11. Toxicological Information

Component Analysis - LC50	Ethane, 1,1,1,2-tetrafluoro- Not Available
Component Analysis - Oral LD50	Ethane, 1,1,1,2-tetrafluoro- Not available
Effects of Acute Exposure - Eye	Contact with liquid may cause frostbite
Effects of Acute Exposure - Inhalation	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effect (headaches, dizziness). Vapors may cause dizziness or suffocation.
Sensitization	Non-hazardous by WHMIS/OSHA criteria.
Chronic Effects	Non-hazardous by WHMIS/OSHA Criteria
Mutagenicity	Non-hazardous by WHMIS/OSHA Criteria.
Reproductive Effects	Non-hazardous by WHMIS/OSHA Criteria.

Section 12. Ecological Information

Aquatic Toxicity	1,1,1,2-Tetrafluoroethane - 96h LC50: Oncorhynchus (rainbow trout) 450mg/l 72 h EC50: Algae > 118 mg/l 48 h EC50: Daphnia magna (water flea) 980 mg/l
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Section 13. Disposal

Waste Disposal Method	Comply with applicable Federal, State/Provincial, and Local Regulations. Do not pierce or burn, even after use.
Contaminated Packaging	Not Available

Section 14. Transport Information

UN Number	3159
UN Proper Shipping Name	1,1,1,2-Tetrafluoroethane
DOT Classification	2.2
Packing Group	N/A
Packaging Exceptions	ORM-D (applicable to containers up to 1L)
Transportation of Dangerous Goods (TDG - Canada)	Proper Shipping Name: 1,1,1,2-Tetrafluoroethane Hazard Class: 2.2 UN number: 3159 Packaging Exceptions: Limited Quantity (containers up to 125ml)
IATA/ICAO (Air)	Proper Shipping Name: 1,1,1,2-Tetrafluoroethane Hazard Class: 2.2 UN number: 3159 Maximum net quantity packaging: 75 kg
IMO (Vessel)	Proper Shipping Name: 1,1,1,2-Tetrafluoroethane Hazard Class: 2.2 UN Number: 3159

Section 15. Regulatory Information

TSCA	On the inventory, or in compliance with the inventory.
SARA 313 Regulated Chemical(s)	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
US Federal Regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
California Prop. 65	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
Canada Domestic Substances List (DSL)	This product is listed on the DSL inventory list and complies with the inventory requirements administered by the governing country.
WHMIS Status	Controlled
WHMIS Classification	Class A - Compressed Gas

Section 16. Other Information

Revision Date	5/14/2015
Disclaimer	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.
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