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MATERIAL SAFETY DATA SHEET

1. Product and Company Identification Product Name Falcon Signal Horn - Mighty Sonic Safety Horn Synonym(s) Product code; MSN Product code: MSNR Product code: Product code Product code CAS# Mixture Product use Industrial Safety - Hand Held Signaling Device Manufacturer Falcon Safety Products, Inc. 25 Imclone Drive Branchburg, NJ 08876 US Phone: 1-908-707-4900 Supplier Falcon Safety Products, Inc. 25 Imclone Drive Branchburg, NJ 08876 US Phone 1-908-707-4900 LEGEND Health HMIS/NEPA Severe Flammability 4 Serious 3 Moderate 2 Slight 1

2. Hazards Identification

Emergency overview	CAUTION Contents under procesure. Contents
Potential short term health effects	Contents under pressure. Containers may explode when heated.
Routes of exposure	Eye, Skin contact, Inhalation.

Personal Protection

Eyes Contact with liquid may cause frostbite, Skin Contact with liquid may cause frostbite.

Inhalation Excessive intentional inhalation may cause respiratory tract irritation and central

nervous system effects (headache, dizzlness). Vapors may cause dizzlness or suffocation.

Ingestion Not a normal route of exposure. Target organs Eyes. Skin, Respiratory system Chronic effects

Prolonged or repeated exposure can cause drying, defatting and dermetitis, Signs and symptoms

3.	Symptoms may include redness, edema, drying, def Composition / Information on Ingred		
ngredient(s) thane, 1,1,1,2-tetrafluoro-		CAS#	Percent
		611-97-2	60 - 100
	4. First Aid Measures		<u> </u>

First ald procedures

Skin contact

Minimal

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Eye contact Immediately flush with cool water. Remove contact lenses, if applicable, and continue

flushing for 15 minutes. Obtain medical attention immediately.

Flush with cool water. Wash with soap and water. Obtain medical attention if irritation

From: 7654733254 Page: 2/6 Date: 7/30/2010 12:06:45 PM Inhalation If symptoms develop, move victim to fresh air, If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is Ingestion convulsing. Obtain medical attention. General advice Do not puncture or inclnerate container. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children. 5. Fire Fighting Measures Flammable properties Not flammable by WHMIS/OSHA criteria. Containers may explode when heated. Extinguishing media Suitable extinguishing media Small Fires: Carbon dloxide, Dry chemical. Large Fires: Water spray, Fog. Foam. Unsuitable extinguishing media. Not available Protection of firefighters Specific hazards arising from Contents under pressure. Pressurized container may explode when exposed to heat or the chemical flame. Cool containers with flooding quantities of water until well after fire is out. Protective equipment for Firefighters should wear full protective clothing including self contained breathing firefighters apperatus. Hazardous combustion products May include and are not limited to: Oxides of carbon. Fluoride gases. Explosion data Sensitivity to mechanical Not available impact Sensitivity to static discharge Not available 6. Accidental Release Measures Personal precautions Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or splilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Methods for containment Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Methods for cleaning up Before attempting clean up, refer to hazard data given above. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite. 7. Handling and Storage Handling Avoid breathing mists or aerosols of this product. Use good industrial hygiene practices in handling this material. Storage Keep out of reach of children. Do not store at temperatures above 49 °C (120,2°F). Keep away from heat, open flames or other sources of ignition. 8. Exposure Controls / Personal Protection Exposure limits Exposure Limits Ethane, 1,1,1,2-tetrafluoro-ACGIH-TLV Not established

ingredient(s)

OSHA-PEL Not established

Engineering controls

Personal protective equipment

Eye / face protection

Use only under good ventilation conditions or with respiratory protection.

Wear safety glasses with side shields.

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Hand protection

If there is constant skin contact, rubber gloves are recommended.

Skin and body protection

As required by employer code.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

General hygiene considerations. Hendle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands and face before breaks and immediately after handling the

product.

9. Physical and Chemical Properties

Appearance Clear. Color Colorless Form Liquefied gas

Odor Slight ethereal. Odor threshold Not available

Physical state Gas

рH Not applicable Melting point Not available Freezing point Not available

Boiling point -26.5 °C (-15.70 °F)

Flash point None

Pour point Not available Evaporation rate Not available Flammability limits in air, lower, % Not available

by volume

Flammability limits in air, upper, %

by volume

Vapor pressure

Vapor density 3.6 @25°C (air=1) Specific gravity 1.21 @25°C

Octanol/water coefficient Solubliity (H2O)

Not available Slightly

602 kPa

Not available

Auto-ignition temperature

> 750 °C (> 1382,00 °F)

Percent volatile

100

10. Stability and Reactivity

Chemical stability Stable under recommended storage conditions.

Conditions to avoid Aerosol containers are unstable at temperatures above 49°C (120.2°F). Incompatible materials Alkaline materials, Alkaline earth metals,

Hazardous decomposition products

May include and are not limited to: Oxides of carbon. Fluoride gases.

Possibility of hazardous reactions Hazardous polymerization does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)

LC50

Ethane, 1,1,1,2-tetrafluoro-

Component analysis - Oral LD50

Not available

Ingredient(s)

LD50

Ethane, 1,1,1,2-tetrafluoro-

Effects of acute exposure

Not available

Eve Skin

Contact with liquid may cause frostbite. Contact with liquid may cause frostbite.

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Inhalation Excessive intentional inhalation may cause respiratory tract irritation and central

nervous system effects (headache, dizziness). Vapors may cause dizziness or

suffocation.

Ingestion Not a normal route of exposure.

Sensitization
Non-hazardous by WHMIS/OSHA criteria.
Chronic effects
Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity
Non-hazardous by WHMIS/OSHA criteria.
Mutagenicity
Non-hazardous by WHMIS/OSHA criteria.
Reproductive effects
Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity
Non-hazardous by WHMIS/OSHA criteria.

Synergistic Materials Not available

12. Ecological Information

Ecotoxicity Not available Environmental effects Not available Aquatic toxicity Not available Persistence / degradability Not available Bioaccumulation / accumulation Not available Partition coefficient Not available Mobility in environmental media Not available Chemical fate information Not available Other adverse effects Not available

13. Disposal Considerations

Waste codes Not available

Disposal instructions Review federal, state/provincial, and local government requirements prior to disposal.

Not available

Waste from residues / unused

products

Contaminated packaging Not available

14. Transport Information

U.S. Department of Transportation (DOT)

Basic shipping requirements:

Proper shipping name

Refrigerant gas R 134a, mixture

Hazard class 2.2 UN number 3159

Additional information:

Packaging exceptions OR

ORM-D (applicable to containers up to 1 L)



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Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

Proper shipping name

Refrigerant gas R 134a

Hazard class UN number

2.2 3159

Additional information:

Packaging exceptions

Limited quantity (containers up to 125mL)



IATA/ICAO (Air)

Basic shipping requirements:

Proper shipping name

Refrigerant gas R 134a mixture

Hazard class

2,2

UN number

3159

Additional information:

Maximum net quantity

packaging

75 kg



15. Regulatory Information

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the Controlled

Products Regulations and the MSDS contains all the information required by the

Controlled Products Regulations.

US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard

Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous

chemical

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No. Pressure Hazard - Yes Reactivity Hazard - No

Section 302 extremely

hazardous substance

Νo

Section 311 hazardous chemical Yes

Clean Air Act (CAA)

Not available

Clean Water Act (CWA) WHMIS status

Not available Controlled

WHMIS classification

Class A - Compressed Ges

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WHMIS Jabeling



State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive herm.

U.S. - Minnesota - Hazardous Substance List

Ethane, 1,1,1,2-tetrafluoro-

811-97-2

Present

Ethana, 3,1,1,2-tetrafluoro-

U.S. - New Jersey - Right to Know Hazardous Substance List 811-97-2

sn 2744; sn 2745 (flammable)

Inventory name

Country(s) or region

inventory name

On inventory (yes/no)*

Canada

Domestic Substances List (DSL)

Yes

Canada

Non-Domestic Substances List (NDSL)

Νo

United States & Puerto Rico

Toxic Substances Control Act (TSCA) Inventory

Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

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.

issue date

28-Oct-2009

Effective date

15-Oct-2009

Expiry date

15-Oct-2012

Prepared by

Dell Tech Laboratories Ltd. (519) 858-5021

Other Information

For an updated MSDS, please contact the supplier/manufacturer listed on the first

page of the document.