

MATERIAL SAFETY DATA SHEET



619PI PRACTI-INHALER



**NOT FOR HUMAN OR ANIMAL USE
FOR TRAINING PURPOSES ONLY**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Practi-Inhaler

Product Code(s): 619PI

Recommended Use: Used exclusively as an educational resource for training purposes only.
NOT TO BE INJECTED OR INFUSED IN HUMANS OR ANIMALS

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DISTRIBUTED BY

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Product Description: CFC-free practice inhaler for demonstrational use only. Not for human or animal use. Training product only. Gas under pressure - liquified gas. Contents: 1,1,1,2-Tetrafluoroethane 134-a.

Ingredients:

CHEMICAL NAME	CAS NO.
1,1,1,2-Tetrafluoroethane	811-97-2

3. HAZARDS IDENTIFICATION

Emergency Overview: Contains gas under pressure; may explode if heated. May cause frostbite. May displace oxygen and cause suffocation. Avoid contact with skin or eyes, or clothing; may cause skin and eye irritation. If accidentally ingested, may cause mucosal and gastric irritation. May be irritating to respiratory system.

Hazard Class: Contents are considered hazardous by the OSHA Hazard Communication

Standard (29 CFR 1910.1200).

Health Hazard: Breathing high concentrations of 1,1,1,2-Tetrafluoroethane vapor may cause lightheadedness, giddiness, shortness of breath, and may lead to narcosis, cardiac irregularities, unconsciousness, or death.
Eyes: may cause irritation, staining, stinging, tearing, redness.
Skin: exposure to small quantities is not expected to cause adverse health effects. High exposure may cause frostbite. May cause staining, irritation and dryness.
Ingestion: gastrointestinal discomfort.
Inhalation: May be irritating to respiratory system.

4. FIRST AID MEASURES

Eyes: Irrigate thoroughly with water (at least 15 minutes). Seek medical attention.

Skin: Wash thoroughly with soap and water for at least 15 minutes. If frostbite burns occur, try to slowly warm cold tissue and seek medical attention. Wash stained clothing before reuse. If irritation persists, seek medical attention.

Ingestion: If ingested and person is conscious, drink plenty of fluids, and seek medical attention.

Inhalation: If inhaled and person is conscious, remove to fresh air, and seek medical attention.

Other: After first aid, get appropriate medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

NFPA Rating: Health: 2; Fire: 1; Reactivity: 1.

Fire Fighting Procedures: Exposure to temperatures above 48.8 deg C (120 deg F) may cause bursting. Contains gas under pressure. In a fire or if heated, a pressure increase will occur and the container may burst or explode. Normal precautions against smoke inhalation; do not enter any enclosed or confined space without wearing full protective clothing and Self-Contained Breathing Apparatus (SCBA) approved for firefighting.

Flash Point and Method: Not applicable - Non-combustible liquid

Flammable Limits: Not available

Autoignition Temperature: >743 deg C (>1369.4 deg F)

6. ACCIDENTAL RELEASE MEASURES

General:	Practi-Inhalers are stable at room temperature, under normal storage and handling conditions.
Spill / Leak Procedures:	Contain spill with appropriate absorbent material and dispose according to local regulations.
Personal Precautions:	Wear appropriate Personal Protective Equipment (PPE) based on accidental spill: mask; gloves; gown; goggles if indicated. Contains gas under pressure.
Environmental Precautions:	Non-hazardous
Recovery:	Dispose of product in accordance with all applicable local, state, and federal regulations.

7. HANDLING AND STORAGE

General Storage:	Store at room temperature. Check for cracks or dislodged caps before use. Do not freeze or store in temperatures above 48.8 deg C (120 deg F). May cause burting. Contains gas under pressure.
Handling:	Personal Protective Equipment: mask; gloves; gown/lab coat; safety goggles are recommended.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (NORMAL USE)

Occupational Exposure:	Avoid ingestion, inhalation, and contact with eyes, skin, and clothing. Wear appropriate PPE. Training product intended for educational use only. Not for human or animal use.
Engineering Measures:	Use local exhaust
PPE:	Respiratory - mask Hand - gloves: latex and non-latex per policy Eye - safety goggles Clothing - gowns/lab coat; lab apron

9. PHYSICAL / CHEMICAL PROPERTIES

Appearance and Odor: Gas, colorless, faint ethereal odor.

10. STABILITY AND REACTIVITY

Stability: Stable if stored at recommended conditions.

Conditions to Avoid: Avoid ingestion, inhalation, and contact with eyes, skin, and clothing. Wear appropriate PPE. Training product intended for educational use only. Not for human or animal use. Do not freeze or store in temperatures above 48.8 deg C (120 deg F). May cause burping. Contains gas under pressure.

Hazardous Decomposition Products: None known

Materials to Avoid: Do not mix with other simulated products. Avoid freezing, open flames and high temperatures above 48.8 deg C (120 deg F).

11. TOXICOLOGICAL INFORMATION

Eye Effects: Eyes: may cause irritation, staining, stinging, tearing, redness.

Skin: Skin: exposure to small quantities is not expected to cause adverse health effects. High exposure may cause frostbite. May cause staining, irritation and dryness.

Ingestion: Ingestion: gastrointestinal discomfort.

Inhalation: Inhalation: May be irritating to respiratory system.

Acute: See Section 3

Chronic: None identified
No evidence of carcinogenic, mutagenic, or teratogenic effects.

Carcinogenicity: Components not listed as carcinogens.

12. ECOLOGICAL INFORMATION

Environmental: Data not available

Ecotoxicological: Data not yet available

SPECIAL = NONE

NFPA Degree of Hazard Code: 4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

NFPA = National Fire Protection Association

Product Photo:



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