Luxus LPG SIA

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SIMPLIFIED SAFETY DATA SHEET

REFRIGERANT R-134a

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Trade name: Refrigerant R-134a

Chemical name / Structure: 1,1,1,2-Tetrafluoroethane (CH_2FCF_3)

CAS number: 811-97-2 / **EINECS:** 212-377-0

Use: Heat transfer fluid for refrigeration and air conditioning systems.

SECTION 2: HAZARDS IDENTIFICATION

Classification (CLP Regulation): Gases under pressure — Liquefied gas

WARNING

Hazard statements:
H280: Contains gas under pressure; may explode if heated.

Precautionary statements:
P410+P403: Protect from sunlight. Store in a well-ventilated place.

Emergency overview: Colorless liquefied gas with a faint ethereal odor. Non-flammable. Heavy vapors may displace oxygen and cause rapid suffocation in confined spaces.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

1,1,1,2-Tetrafluoroethane: 100%

SECTION 4: FIRST AID MEASURES

Inhalation: Move away from the exposure area and keep at rest in fresh air. Provide oxygen if necessary. Call a doctor.

Skin/eye contact: In case of frostbite, rinse immediately with plenty of lukewarm water. Do not rub.

SECTION 5: FIRE-FIGHTING MEASURES

Non-flammable at ambient temperature. In case of a surrounding fire, cool the cylinders with water spray. Toxic vapor emissions (HF) at high temperature (>250°C).

SECTIONS 6 & 7: HANDLING & STORAGE

Dispersion / accidental release: Evacuate the area. Ensure adequate ventilation. Vapors accumulate in low-lying areas.

Storage: Keep in closed containers, in a cool (<50°C) and ventilated room.

SECTION 8: EXPOSURE CONTROLS

Wear tightly sealed safety goggles and cold-insulating gloves (neoprene, nitrile) when handling the liquid.

SECTION 14: TRANSPORT INFORMATION

UN number: UN 3159

Official name: 1,1,1,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 134a)

Hazard class: Class 2.2

Simplified sheet in accordance with regulatory MSDS data - Luxus LPG SIA © 2026