Luxus LPG SIA

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SIMPLIFIED SAFETY DATA SHEET

REFRIGERANT R-1234yf

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

Trade name: Refrigerant R-1234yf

Chemical name / Structure: 2,3,3,3-Tetrafluoroprop-1-ene (CH_2=$CFCF_3$)

CAS number: 754-12-1 / **EINECS:** 468-710-7

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

SECTION 2: HAZARDS IDENTIFICATION

WARNING

H221: Flammable gas.

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

Precautionary statements:
P210: Keep away from heat, hot surfaces, sparks, open flames. No smoking.
P410+P403: Protect from sunlight. Store in a well-ventilated place.

Emergency overview: Mildly flammable liquefied gas capable of forming explosive mixtures with air in the presence of a significant ignition source. Produces highly toxic fumes (HF) on combustion.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

2,3,3,3-Tetrafluoroprop-1-ene: 100%

SECTION 4: FIRST AID MEASURES

Inhalation: Secure the area before intervening. Move the victim to fresh air. Call emergency medical services.

Contact: Shower immediately with running lukewarm water for at least 10 minutes. Do not rub.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable gas. Ignited gas leak: do not extinguish the fire unless the leak can be stopped safely. Use foam, CO2, or dry chemical powder.

SECTIONS 6 & 7: HANDLING & STORAGE

Dispersion: Immediately eliminate all ignition sources. Use spark-proof tools. Evacuate personnel.

Storage: Store in a fire-resistant, cool, dry, and thoroughly ventilated room.

SECTION 8: EXPOSURE CONTROLS

Wear antistatic protective equipment, insulating gloves, and safety goggles. Avoid any sparks.

SECTION 14: TRANSPORT INFORMATION

UN number: UN 3161

Official name: FLAMMABLE LIQUEFIED GAS, N.O.S. (2,3,3,3-TETRAFLUOROPROP-1-ENE)

Hazard class: Class 2.1 (Tunnel code: B/D)
