Luxus LPG SIA

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SIMPLIFIED SAFETY DATA SHEET

REFRIGERANT R-449A

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

Trade name: Refrigerant R-449A

Chemical name / Structure: HFC/HFO blend (Tetrafluoroethane / Tetrafluoropropene / Pentafluoroethane / Difluoromethane)

CAS number: Blend

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

SECTION 2: HAZARDS IDENTIFICATION

WARNING

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

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

Emergency overview: Colorless liquid under pressure with a faint ether-like odor. Non-flammable at ambient temperature and pressure, but may become combustible under pressure if mixed with air.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

1,1,1,2-Tetrafluoroethane (R-134a): 25.7%

2,3,3,3-Tetrafluoroprop-1-ene (R-1234yf): 25.3%

Pentafluoroethane (R-125): 24.7%

Difluoromethane (R-32): 24.3%

SECTION 4: FIRST AID MEASURES

Inhalation: Move the victim to fresh air. If cardiac arrhythmia or asphyxiation occurs, call a doctor immediately.

Contact: Rinse with lukewarm water for 15 minutes without rubbing.

SECTION 5: FIRE-FIGHTING MEASURES

Non-flammable. Risk of cylinder rupture under intense heat. Thermal decomposition produces toxic carbonyl halides.

SECTIONS 6 & 7: HANDLING & STORAGE

Dispersion: Evacuate the area. Isolate leaks if it can be done safely. Ventilate low points.

Storage: Keep cylinders tightly closed in a cool, dry, well-ventilated place (<50°C).

SECTION 8: EXPOSURE CONTROLS

Wear tightly sealed safety goggles and suitable insulating gloves for transferring liquefied fluids.

SECTION 14: TRANSPORT INFORMATION

UN number: UN 3163

Official name: LIQUEFIED GAS, N.O.S. (Pentafluoroethane, 1,1,1,2-Tetrafluoroethane, Difluoromethane, 2,3,3,3-Tetrafluoroprop-1-ene)

Hazard class: Class 2.2

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