



R-290

AEROSOL/ REFRIGERANT



VAPCO PART NO.

Part Number	Size
R290-8oz	8 oz 12/cs
R290-12LBS	12lbs each
R290-20LBS	20lbs each

DESCRIPTION

R-290 is a professional, natural refrigerant used as an alternative to R404A and R407 series refrigerants in new refrigeration and air conditioning systems. R290 is a hydrocarbon; and although flammable, it is an efficient refrigerant that has a low Global Warming Potential (GWP).

FEATURES AND BENEFITS

- EPA Approved
- Environmentally Friendly
- Designed for use in refrigeration units calling for R290
- Sold in 8 oz cans, 12lb cylinders and 20lb cylinders

SPECIFICATIONS

Form: Clear Colorless Gas | **Odor:** Odorless | **Boiling Point:** : - 46.67 °C (52 °F) | **Freezing or Melting Point:** - 151.67 °C (305 °F) | **Auto-Ignition Temperature:** 467.22 °C (873 °F) | **Vapor Pressure:** 861.8 kPa (125 psi) @ 22.1 °C (70 °F) | **Relative Vapor Density at 20 °C:** 1.52 | **Relative Density/Specific Gravity:** 0.5066 (water = 1) | **Lower Flammable Limit:** 2.15 % | **Upper Flammable Limit:** 9.6 %

LABEL INFORMATION

R-290 is designed for use in new refrigeration systems calling for R-290 refrigerants.

DIRECTIONS: Flammable substance: take adequate precautions. Install can tap valve and charging hose. Install charging hose on low pressure side ONLY. Invert can. Fill system to correct pressure with the correct amount of refrigerant. DO NOT overcharge the system. Contact a licensed professional waste disposal service to dispose of this material.

No smoking. Eliminate all ignition sources if safe to do so. Wear gas mask, protective goggles, gloves and protective clothing. Close valve after each use and when empty. Open valve slowly to avoid pressure shock. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

PRECAUTIONS: **Read and understand the product's label and Safety Data Sheet.** Keep out of the reach of children. Personnel should be trained to regularly inspect equipment such as pumps, hoses, and valves. Do not breathe gas. Ensure there is adequate ventilation. Keep away from heat, hot surfaces, open flames, sparks.

DANGER: Extremely flammable gas. Contains gas under pressure; may explode if heated. Reacts with oxidants causing fire/explosion hazard. Simple Asphy - May displace oxygen and cause rapid suffocation. Avoid release to the environment. Harmful to aquatic life.



CONTAINS

R-290CONTAINS (CAS#) : Petroleum gases, liquefied (68476-85-7)

First Aid Measures

Inhalation: Move to fresh air. **Seek immediate medical attention if breathing difficulty persists.**

Skin Contact: If frostbite or freezing occurs, immediately flush with plenty of lukewarm water to GENTLY warm the affected area. Do not use hot water. Do not rub affected area. **Seek immediate medical attention.**

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **Seek immediate medical attention.**

Ingestion: Do NOT induce vomiting. **Seek immediate medical attention.**

Storage

Keep out of reach of children. Store in a dry, cool and well-ventilated place. Protect from sunlight. Keep in fireproof place. Store locked up.

In Case of Fire

Evacuate area. Fight fire remotely due to the risk of explosion. Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Use dry chemical powder, alcohol-resistant foam or carbon dioxide (CO2) for extinguishing fire. Do not use a heavy water stream. Use of heavy stream of water may spread fire. Exercise caution when fighting any chemical fire.

Disposal

Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations. Empty product containers may contain hazardous residue. Do not reuse empty containers without commercial cleaning or reconditioning.

Code Legend

Identification Number: UN1075

Hazard Class: 2

Label Codes: 2:1

ERG Code (IATA): 10L