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# DuPont™ Opteon® YF

## AUTOMOTIVE REFRIGERANT HFO-1234yf

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### About Opteon® YF

Opteon® YF (HFO-1234yf) readily meets the EU F-gas replacement for automotive refrigerant, offering the best balance of properties and performance including:

Excellent environmental properties

- Global Warming Potential = <1

- Zero Ozone Depletion Potential

Comparable to HFC-134a for refrigeration properties

Acceptable stability and compatibility properties

Mildly flammable (significantly less flammable than HFC-152a)

These other industry options have certain limitations:

CO2: complexity, energy efficiency and requires mitigation

HFC-152a / secondary loop: performance, size and weight

### Opteon® DAC® Cylinder Disposal Guidelines

**Precautions:** Use appropriate safety PPE (safety glasses, leather gloves) and perform disposal procedures in a well-ventilated room. Before disposing of cylinder, read the **Safety Data Sheet**.

STEP 1: Recover residual contents of this cylinder down to minimum 15" of mercury into a DOT-approved recovery cylinder.

STEP 2: Double check tare weight or pressure to ensure cylinder is down to minimum 15" of mercury.

STEP 3: Punch center of relief device or cylinder shoulder using brass tools.

STEP 4: Circle spot where hole punched.

STEP 5: Store cylinder in well-ventilated area in an inverted position prior to disposal.

STEP 6: If needed, cut cylinder per metal recycler requirements.

STEP 7: Recycle container with metal recycler.

### Product Downloads

[Product Information Bulletin](#)[Handling Guidelines](#)[Safety Data Sheet](#)[Frequently Asked Questions](#)[Pressure-Enthalpy Diagram](#)[SI Units](#) | [ENG Units](#)[Thermodynamic Properties](#)[SI Units](#) | [ENG Units](#)[Transport Properties](#)[SI Units](#) | [ENG Units](#)[Material Compatibility](#)[Thermal Stability](#)[Plastics & Elastomer](#)[Compatibility](#)[Hose Permeation](#)[System Performance](#)[System Bench](#)[Presentations](#)[Evaluations](#)



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