



**NATIONAL
REFRIGERANTS**

**ARE YOUR
REFRIGERANTS
LEGAL ?**



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ARE YOUR REFRIGERANTS LEGAL ?

Europe is being plagued with illegal HFC refrigerant imports, not only are some refrigerants themselves illegal, but some are out of specification, some are not even the refrigerants they claim to be and most are in illegal disposable cylinders.

In a bid to reduce global warming from January 1st 2015 any importer or manufacturer of HFC products need to be an F-Gas compliant quota holder.

From 2015 - 2030 these quotas are being reduced to encourage consumers to change to more environmental alternatives. This in turn has led to a sharp price increase in F-Gas compliant HFC products making it attractive for criminals to smuggle noncompliant HFC products into Europe.

Most of these are smuggled into Europe using illegal disposable cylinders and have undergone little if any quality control, in some cases the products have been completely out of the standardised ARI700 specification and some were not even the products they claimed to be.

Using these products is not only illegal but can also cause serious damage to your equipment and also represents a real danger to health and safety.

HOW TO IDENTIFY AN ILLEGAL HFC CYLINDER

Most illegal cylinders are disposable and can be identified like this..



Illegal R404A
disposable cylinder



Legal refillable
R404A cylinder

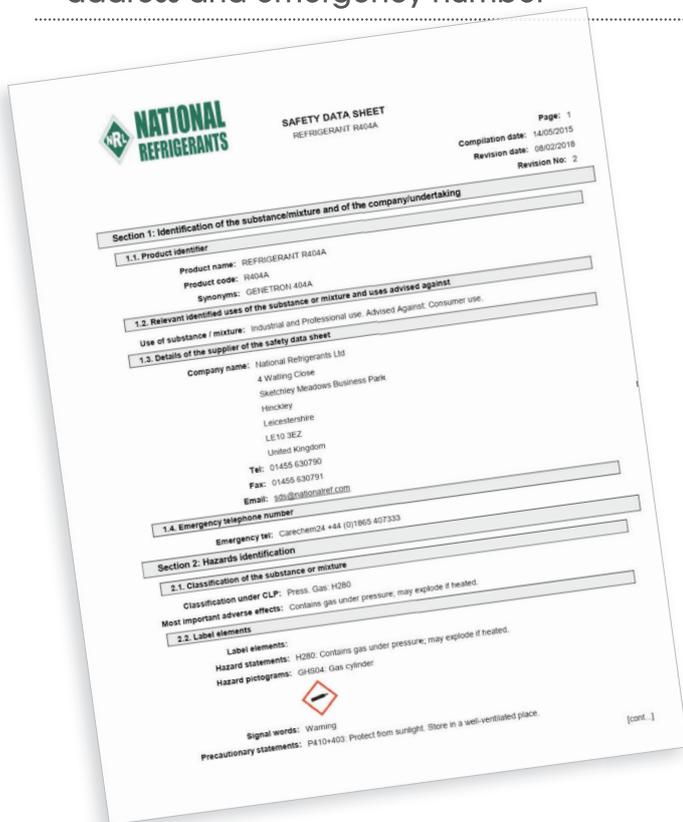
As disposable cylinders are illegal in Europe it is almost certain that the refrigerant inside will also be illegal non F-Gas compliant with no quality control.

Other things to look for are unknown brands, no cylinder returns, cheap below market pricing and no requests for F-Gas accreditation.

DOCUMENTATION SDS

Any refrigerant delivery needs to be accompanied by the relevant Safety Data Sheet (SDS) issued by the gas producer/ or supplier. Besides many other criteria, the SDS needs to contain the following mandatory information:

- Issued by the gas producer in your national language
- Clear indication of CAS number
- Clear indication of CE registration
- Clear indication of the producer including address and emergency number



NATIONAL REFRIGERANTS SAFETY DATA SHEET
REFRIGERANT R404A Page: 1

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Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: REFRIGERANT R404A
Product code: R404A
Synonyms: GENETRON 404A

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Industrial and Professional use. Advised Against: Consumer use.

1.3. Details of the supplier of the safety data sheet
Company name: National Refrigerants Ltd
4 Walling Close
Sketchley Meadows Business Park
Hinckley
Leicestershire
LE10 3EZ
United Kingdom
Tel: 01455 630790
Fax: 01455 630791
Email: info@nationalref.com

1.4. Emergency telephone number
Emergency tel: Carechem24 +44 (0)1865 407333

Section 2: Hazards identification

2.1. Classification of the substance or mixture
Classification under CLP: Press. Gas H280

Most important adverse effects: Contains gas under pressure, may explode if heated.

2.2. Label elements
Label elements: H280: Contains gas under pressure, may explode if heated.
Hazard statements: H280: Contains gas under pressure, may explode if heated.
Hazard pictograms: GHS04: Gas cylinder

Signal words: Warning

Precautionary statements: P410+03: Protect from sunlight. Store in a well-ventilated place.

CYLINDERS NEED TO BEAR THE FOLLOWING STAMPS AND INFORMATION



- Labelled with the Pi (π) stamp
- EN 13322-1: compliance with standard of design and construction
- TPED approval
- Cylinders need to be maintained/inspected after
- 10 years. The year of cylinder retest must be marked on the cylinder after retest

CYLINDERS ALSO NEED TO BE CLEARLY LABELLED



- Clear indication of the producer
- Safety indication in your national language
- ADR Transport Symbol and UN number
- Emergency contact



**IT CAN TAKE YEARS
TO BUILD UP YOUR
BUSINESS REPUTATION
AND MINUTES TO
DESTROY !**

IS IT WORTH THE RISK ?

If you suspect a supplier of selling illegal refrigerants you can now report it in complete confidence to the integrity line at <https://efctc.integrityline.org/>

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