

## Product Specification

# Refrigerant RS-52

ASHRAE Number: R428A

Composition:

<u>Component name</u>		<u>Chemical Formula</u>	<u>CAS Number</u>	<u>Composition (%w/w)</u>
Pentafluoroethane	(R125)	CHF <sub>2</sub> CF <sub>3</sub>	354-33-6	76.5 – 78.5
Trifluoroethane	(R143a)	CH <sub>3</sub> CF <sub>3</sub>	420-46-2	19.0 – 21.0
Propane	(R290)	C <sub>3</sub> H <sub>8</sub>	074-98-6	0.4 – 0.7
Isobutane	(R600a)	CH(CH <sub>3</sub> ) <sub>3</sub>	075-28-5	1.7 – 2.0

## Guaranteed Specifications

Purity	Minimum	99.5	%w/w
Water content	Maximum	10.0	ppm w/w
Non-Condensable Gas (vapour phase)	Maximum	1.5	% v/v
High boiling residue	Maximum	0.01	% w/w
Acidity (as HCl)	Maximum	1.0	ppm w/w
Chloride	No visible turbidity	Pass	
Appearance	Clear and colourless liquefied gas		

For toxicological and health and safety information, please consult our Material Safety Data Sheet.

Issue No.1

Reviewed by CJH, October 2014

**Harp International Limited**  
 Gellihirion Industrial Estate, Pontypridd, Rhondda Cynon Taff, CF37 5SX  
 United Kingdom

 Telephone: +44 (0) 1443 842255  
 E-mail: [harp@harpintl.com](mailto:harp@harpintl.com)

 Fax: +44 (0) 1443 841805  
 Web: <http://www.harpintl.com>