

## Product Specification

# HARP<sup>®</sup> 409A

ASHRAE Number: R409A  
Composition:

| Component name                     |         | Chemical Formula                   | CAS Number | Composition   |
|------------------------------------|---------|------------------------------------|------------|---------------|
| Chlorodifluoromethane              | (R22)   | CHClF <sub>2</sub>                 | 75-45-6    | 60 +/- 2 %w/w |
| 1-Chloro-1,1-difluoroethane        | (R142b) | CH <sub>3</sub> CClF <sub>2</sub>  | 75-68-3    | 15 +/- 1 %w/w |
| 2-Chloro-1,1,1,2-tetrafluoroethane | (R124)  | CHClF <sub>2</sub> CF <sub>3</sub> | 2837-89-0  | 25 +/- 2 %w/w |

## Guaranteed Specifications

|                                    |                                    |      |         |
|------------------------------------|------------------------------------|------|---------|
| Purity                             | Minimum                            | 99.0 | %w/w    |
| Water content                      | Maximum                            | 20.0 | ppm w/w |
| Non-Condensable Gas (vapour phase) | Maximum                            | 1.5  | % v/v   |
| High boiling residue               | Maximum                            | 0.05 | % w/w   |
| Acidity (as HCl)                   | Maximum                            | 5.0  | 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.

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