

## Product Specification

**HARP® AP22**

Typical Composition (not part of specification):

<u>Component name</u>	<u>CAS Number</u>	<u>Typical Composition</u>
Iso-Butane	75-28-5	30% w/w
n-Butane	106-97-8	67% w/w

**Guaranteed Specifications**

HARP AP22 is unstenched and complies with the relevant requirements of BS:4250:1997 and in particular to the following:

<b>Property</b>	<b>Units</b>	<b>Max/Min</b>	<b>Limit</b>	<b>Test method</b>
Gauge Vapour Pressure @ 70°F	psig		20 to 24	BS:EN:ISO 4256 or BS:4250:1997 Annex A
Total Sulphur content	mg/kg	Max	1	BS:EN 24260
Mercaptan Sulphur content	mg/kg	Max	1	BS:2000:Part 272
Hydrogen Sulphide content	mg/m <sup>3</sup>	Max	0.75	BS:4250:1997 Annex C
Ammonia content	mg/m <sup>3</sup>	Max	1.0	Gastec 3L Absorption tube
Copper Corrosion 1h @ 40°C			Class 1	BS:EN:ISO 6251 (1 hr @ 40°C)
Dissolved water	mg/kg		10	By Valve Freeze and/or Karl Fischer
Total Dienes incl. 1,3-Butadiene content	mol %	Max	0.1	BS:EN: 27941
Ethane	mol %	Max	0.5	BS:3156: Subsection 11.1.1
C <sub>3</sub> to C <sub>4</sub> hydrocarbons	mol %	Min	98.0	By calculation
C <sub>5</sub> & higher hydrocarbons	mol %	Max	2.0	BS:3156: Subsection 11.1.1
Alkynes content	mol %	Max	0.5	BS:3156: Part 4
Unsaturated hydrocarbons	mol %	Max	1.0	By calculation
R number		Max	10	BS:2000: Part 317
O number		Max	33	BS:2000: Part 317

Issue No.5

Reviewed May 2022

**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>