

Product Specification

HARP® AP48

Typical Composition (not part of specification):

<u>Component name</u>	<u>CAS Number</u>	<u>Typical Composition</u>
Propane	74-98-6	31 %w/w
Iso-Butane	75-28-5	23 %w/w
n-Butane	106-97-8	46 %w/w

Guaranteed Specifications

HARP AP40 is unstenched and complies with the relevant requirements of BS:4250:1997 and in particular to the following:

Property	Units	Max/Min	Limit	Test method
Gauge Vapour Pressure @ 25°C	kPa		386 to 413	BS:EN:ISO 4256 or BS:4250:1997 Annex A
Gauge Vapour Pressure @ 70°F	psig		46 to 50	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 ³	Max	0.75	BS:4250:1997 Annex C
Ammonia content	mg/m ³	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 ₃ to C ₄ hydrocarbons	mol %	Min	98.0	By calculation
C ₅ & 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

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