

## Product Specification

# HARP<sup>®</sup> AP30

Typical Composition (not part of specification):

| <u>Component name</u> | <u>Chemical Formula</u>   | <u>CAS Number</u> | <u>Typical Composition</u> |
|-----------------------|---|-------------------|----------------------------|
| Propane               | CH <sub>3</sub> CH <sub>2</sub> CH <sub>3</sub>                 | 74-97-6           | 11 %w/w                    |
| Iso-Butane            | CH(CH <sub>3</sub> ) <sub>3</sub>                               | 75-28-5           | 29 %w/w                    |
| n-Butane              | CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> | 106-97-8          | 60 %w/w                    |

## Guaranteed Specifications

HARP AP30 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 @ 25°C                  | kPa               |                | 236 to 264   | BS:EN:ISO 4256 or<br>BS:4250:1997 Annex A |
| Gauge Vapour Pressure @ 70°F                  | psig              |                | 28 to 32     | BS:EN:ISO 4256 or<br>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 6252 (1 hr @<br>40°C)           |
| Dissolved water                               | mg/kg             |                | 10           | By Valve Freeze and/or<br>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                         |
| Odour   |                   |                | Report       |   |

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

Issue No.7

Reviewed by CJH, June 2014.

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