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## Technical Data Sheet for C5+

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### Product Description

Pentanes Plus is a complex mixture of C5 hydrocarbons rich in isopentane and pentane. This material is a colorless liquid with a gasoline-like odor. It is volatile (evaporates readily) and does not mix with water (negligible solubility). Pentanes Plus is recovered during the manufacture of benzene from pyrolysis gasoline (pygas).

### Typical Application

Pentanes Plus is mainly used as a gasoline blendstock for motor fuels.

### Typical Data

| TYPICAL TEST        | UNIT              | SPECIFICATION | TEST METHOD |
|---------------------|-------------------|---------------|-------------|
| Density at 15 °C    | g/cm <sup>3</sup> | 0.735 max     | ASTM D-4052 |
| RVP                 | psi               | 13 max        | ASTM D-323  |
| Color saybolt       | --                | 16 min        | ASTM D-156  |
| Lead content        | wt ppb            | 20 max        | ASTM D-3237 |
| Total Sulfur        | wt ppm            | 300 max       | ASTM D-5453 |
| IBP                 | °C                | 30 min        | ASTM D-86   |
| FBP                 | °C                | 180 max       | ASTM D-86   |
| Paraffins           | wt %              | 70 min        | ASTM D-5134 |
| Oleffins            | wt %              | 1 max         | ASTM D-5134 |
| Naphtenes+Aromatics | wt %              | Balance       | ASTM D-5134 |
| H <sub>2</sub> S    | ppm               | 2 Max         | ASTM D-2440 |
| Total Choride       | ppm               | 10 max        | ASTM D-5808 |

### Licensor

Engel Hard UOP-HRI

### Processing Conditions

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### Packing

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### Storage and Handling

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### Combustibility

Please refer to the product Material Safety Data Sheet (MSDS) offering customers help to better satisfy their particular handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations.

**Note:** This information is based on our current knowledge and experience. In view of many factors that may affect processing and application, this data does not relieve processors from the responsibility of carrying out their own tests and experiments, neither does it imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.