

# 2-METHYLRESORCINOL

**2-methylresorcinol** produced by different steps of distillation and crystallization of the stream of phenols mixture of Estonian shale oil. Said mixture of phenols is obtained by butyl acetate extraction of shale oil water fraction received after separation of oil from thermal treatment (dry distillation) product of Estonian oil shale.

2-methylresorcinol obtained from Estonian oil shale is non-synthetic, natural product conserved originally in solid organic matter – kerogen – of Estonian oil shale. Dry distillation in vertical retorts destructs structure of solid kerogen and releases organic vapors, mainly oil products, which are condensed to liquids and treated further to the different fuels and chemical products. Different kind of valuable oxygen-compounds are separated from the oil and used for manufacturing of pure chemicals (2-methylresorcinol) or chemical products (alkylresorcinol formaldehyde resins).

## Product Information

|                         |   |
|-------------------------|---|
| CAS Number              | 608-25-3  |
| EINECS Number           | 210-155-8   |
| Formula                 | C <sub>7</sub> H <sub>8</sub> O <sub>2</sub>  |
| Molecular weight, g/mol | 124.139   |
| Appearance              | white crystalline powder  |
| Assay, %                | min. 99   |
| Boiling point, °C       | 264   |
| Melting point, °C       | 118-121   |
| Main impurities         | different alkylresorcinols  |
| Other names             | 2-Metyl-1,3-benzenediol,<br>2,6-Dihydroxytoluene,<br>Gamma-orcinol,<br>Methylresorcinoltech |

## Applications

2-methylresorcinol is applicable in the cosmetic and pharmaceutical industries.

