

# Technical information

## HONEYOL

Synonym:	mixture of dihydric phenols; mixture of alkyl resorcinols	
CAS number:	799275-41-5	ELINCS number: 447-760-3
Formula:	mixture	Molecular Weight: average 130
HTS number.:	29072900	

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### PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	viscous dark brown liquid
Crystallization temp (°C)	109
5-Methylresorcinol, wt. %:	45-55
Water, wt. %:	max. 1
Initial boiling point, °C:	~ 270
Density, kg/m <sup>3</sup> (at 20 °C):	~ 1150
Solubility	soluble in cold water, methanol, diethyl ether
pH	acidic
Flash point (open cup), °C	150-170
Self-ignition point, °C	min. 460

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### PACKAGING

200 kg steel drums or bulk

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### HEALTH & SAFETY, SHIPPING

Classification RID/ADR	8 C-Corrosive, N.O.S.
UN nr	1759
Codes / markings	R22/34/43 S24/26/28 S36/37/39 S45
Packing group	III



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### APPLICATIONS

- reactivity of alkyl resorcinols is of the same order, or higher in certain species, as that of resorcinol
- the use of Honeyol as an economic substitute for part of the resorcinol in resorcinol / formaldehyde resins is suggested

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### HONEYOL (Cont'd)

#### COMPOSITION

Honeyol is a mixture of dihydric phenols obtained by vacuum distillation of the phenols fraction from oil shale. The composition varies within the limits in the table:

Chemical name	%	CAS nr.	EINECS nr.	Classification
Monohydrophenols	Max. 1,0			T; R24/25 R34
5-Methylresorcinol	40-55	504-15-4	207-984-2	Xn; R22
5-Ethylresorcinol	9-11			Unclassified*)
Resorcinol	5-7	108-46-3	203-585-2	Xn; R22 R36/38 N; R50
2,5 –Dimethyl resorcinol	5-7	488-87-9	207-688-3	Xn; R20/21/22 R36/37/38
4,5 –Dimethyl resorcinol	6-7	527-55-9	-	Unclassified*)
4-Methyl resorcinol	2-3	496-73-1	207-984-2	Unclassified*)
2-Methyl resorcinol	0,5-1,5	608-25-3	210-155-8	T; R25 R36/37/38
Methyl and ethyl catechols	0,5-1,0			Unclassified*)
Water	Max.1,0			

\*) – Unclassified due to lack of data