

B+S Chemie GmbH	PRODUCT SHEET	Page	1
		Pages	3
	2-Ethylhexanol	Issue	01
		Effective date	Nov. 24, 1997
PART I SPECIFICATION			

1. Product name

a) commercial name

- in English 2-ethylhexanol (2-EH)
- in German 2-Äthylhexanol

b) chemical name

- in English 2-ethylhexanol
- in German 2-Äthylhexanol

c) chemical formula $C_8H_{18}O$

2. Quality requirements

2.1. General requirements

2-Ethylhexanol is a clear and colourless liquid with the specific odour.

2.2. Physical-chemical properties

Parameter	Value	Test method	Equivalent method
a) colour, Pt-Co scale, max.	5	PN-81/C-04534/01*	ASTM D-1209
b) density at 20°C, g/cm ³ , ¹⁾	0.832-0.834	PN-90/C-04004	ASTM D-1298
c) acids as acetic acid, % (w/w), max. ¹⁾	0.01	Internal method	BS 4583
d) aldehydes as 2-ethylhexanal, % (w/w), max. ¹⁾	0.05	Internal method	BS 4583
e) water content, % (w/w), max.	0.05	PN-81/C-04959	ASTM D-1364
f) 2-ethylhexanol, % (w/w), min.	99.7	Internal method	-----

¹⁾ Parameters guaranteed by the producer but determined in case of quality complaints only.

3. Application

2-Ethylhexanol is utilised in the production of plasticisers and oil additives, and as a solvent in the paints and varnishes industries.

B+S Chemie GmbH	PRODUCT SHEET	Page	2
		Pages	3
	2-Ethylhexanol	Issue	01
		Effective date	Nov. 24, 1997
PART I SPECIFICATION			

4. Storage stability

The product is chemically stable. When the storage and transport conditions as per sections 7 and 8 are observed, the quality parameters as per section 2 will be maintained over the period of 6 months from the date of loading.

5. Quality documents

Unless the client's order (or contract) demands otherwise, each shipment of 2-ethylhexanol will be accompanied by a quality certificate to evidence that the quality parameters satisfy the requirements specified in this Product Sheet.

6. Packaging

2-Ethylhexanol is shipped in:

- steel-made rail tankers or road tankers
- client's steel-made unit containers.

Other types of packaging are acceptable if they can prevent the product from deterioration of its quality parameters and if they can provide safety in transport and storage.

When the product is to be sold to the domestic market, its trade name as per 1 a) should be specified in its quality certificate. The client's containers should be provided with the durable inscription or label specifying the product name as per 1 a). When the product has been intended for export, its name should be specified in its quality certificate; other information and marking - as agreed with the customer.

7. Storage

2-Ethylhexanol should be stored in tight steel tanks. Unit containers should be tightly closed and stored in storerooms where efficient ventilation should be provided. No plastic containers nor plastic-coated containers may be used.

8. Transport

2-Ethylhexanol is transported in rail tankers as per section 6. Unit containers should be transported with covered means of transport. 2-Ethylhexanol may not be transported together with strong oxidisers nor with acids. 2-Ethylhexanol is not classified as a dangerous/hazardous material by the RID/ADR rules.

B+S Chemie GmbH	PRODUCT SHEET	Page	3
		Pages	3
	2-Ethylhexanol	Issue	01
		Effective date	Nov. 24, 1997
PART I SPECIFICATION			

9. Other information

10. Reference documents

Product Sheet, part II: 'Test methods'

Product Sheet, part III: 'Material Safety Data Sheet'

PN-90/C-04004 'Crude oil and oil products. Determination of density.'

PN-81/C-04534/01 'Chemical analysis. Determination of colour for chemicals in Pt-Co scale.'

PN-81/C-04959 'Determination of water content in organic and inorganic chemicals. Karl Fischer method.'

11. Supersedes

- Temporary Technical Requirements 1-87/PM of Feb. 02, 1987, '2-Ethylhexanol, technical grade.'
- Technical Sheet for Exports E/42-86/MP of Dec. 22, 1986, '2-Ethylhexanol, technical grade.'

Approved for use:

Nov. 24, 1997