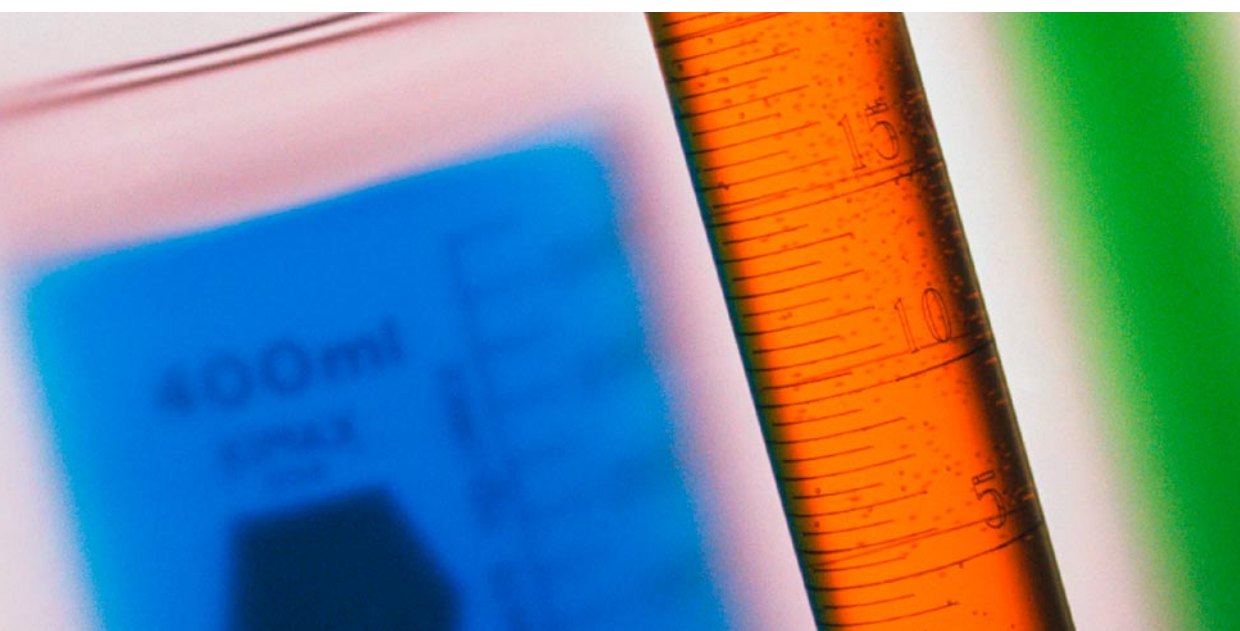




Sasol Olefins & Surfactants

NACOL® C₆-C₂₂ Single Fractions

NAFOL® C₁₀-C₂₈ Blends

Linear Alcohols

NACOL® C₆-C₂₂ Single Fractions

NAFOL® C₁₀-C₂₈ Blends

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Linear Alcohols

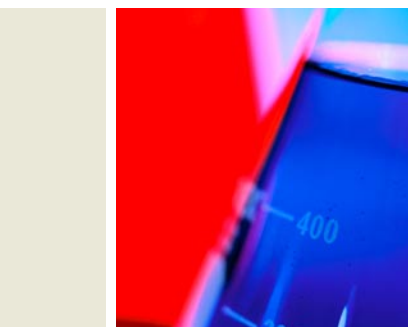
NACOL® (C₆-C₂₂ Single Fractions),
NAFOL® (C₁₀-C₂₈ Blends)

Sasol Olefins & Surfactants GmbH is a worldwide market leader of linear, even-numbered, saturated alcohols and their derivatives which are manufactured at the Sasol Brunsbüttel Plant. Our alcohols are manufactured from petrochemical and natural raw materials in different, fully independent production processes. This unique combination of processes, which yields chemically identical products, ensures exceptional flexibility, a high quality standard, supply security, and a wide variety of products which can be tailor-made to meet individual customer requirements. Sasol alcohols and derivatives can be used to manufacture a multitude of products.

We market our linear alcohols worldwide under the following trademarks:

- **NACOL®** – Single fractions of linear alcohols C₆ – C₂₂
- **LINCOL®** – Blends of linear alcohols C₆ – C₁₂
- **NAFOL®** – Blends of linear alcohols C₁₀ – C₂₈
- **ALFOL®** – Blends and single fractions of linear alcohols C₆ - C₂₂+

Our diversified product range additionally includes special blends manufactured according to customer specifications.



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Applications

Cosmetics and Pharmaceuticals

*Creams
Lotions
Lipsticks
Toothpastes
Perfume bases*

Toiletries

*Shampoos
Bubble baths
Hair conditioners*

Detergents and Cleaners

*Detergents
Powders
Liquid detergents
Cleaners
Laundry softeners*

Plastics Additives

*Linear plasticizers
Lubricants
Stabilizers
Polymerization auxiliaries*

Additives for the Leather and Textile Industries

*Fiber finishes
Spin preparations
Wetting agents
Levelling agents
Softeners*

Metal Processing

*Coupling agents
Aluminium rolling oils
Hydraulic oils
Metal working liquids*

Water Evaporation Retardants

Defoamers for the Paper Industry

Pour Point Depressants for Crude Oil

Lubricating Oil Additives

Viscosity index improvers

Flotation Agents

Disinfectants

Agrochemicals

Flavours and Fragrances

3

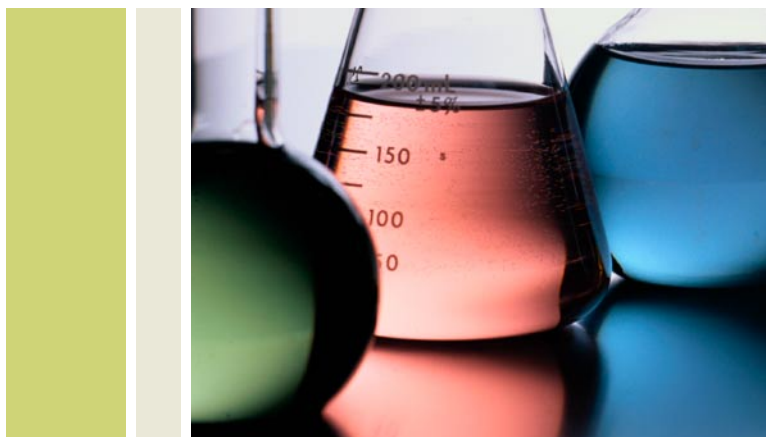
Other Products and Trademarks

Based on our linear alcohols we produce the following specialties:

- **LINPLAST®** – Plasticizers made from alcohols
- **ISOFOL®** – Defined branched Guerbet alcohols C₁₂ – C₃₂
- **ISOCARB®** – Defined branched Guerbet acids
- **GALENOL®** – Self-emulsifying blends of linear alcohols

Detailed product data are contained in our brochures

LINCOL®, LINPLAST®, ISOFOL®, and GALENOL®.



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NACOL®

Linear Alcohols – C₆-C₂₂ Single Fractions

		NACOL® 6-98	NACOL® 8-98	NACOL® 8-99
Single Fractions		1-Hexanol	1-Octanol	1-Octanol
Sales Specification				
Individual Alcohol	[%]	98.0 min.	98.0 min.	99.0 min.
Content				
Colour	[Hazen]	10.0 max.	10.0 max.	10.0 max.
Ester Number	[mg KOH/g]	0.1 max.	0.1 max.	0.1 max.
Acid Number	[mg KOH/g]	0.02 max.	0.03 max.	0.03 max.
Iodine Number	[mg I/100 mg]	0.1 max.	0.1 max.	0.1 max.
Water Content	[wt. %]	0.1 max.	0.1 max.	0.1 max.
Additional Properties				
Density	[g/ml]	ap. 0.817–0.821 (20°C)	ap. 0.823–0.827 (20°C)	ap. 0.823–0.827 (20°C)
Pour Point	[°C]	approx. – 52	approx. – 16	approx. –14
Solidification Point	[°C]	–	–	–
Boiling Range	[°C]	150 – 170	185 – 200	188 – 198
Flash Point	[°C]	approx. 61	approx. 82	approx. 82
Molecular Weight	[g/mol]	102	130	130
Hydroxyl Number	[mg KOH/g]	540 – 555	424 – 432	428 – 435

		NACOL® 10-97	NACOL® 10-99	NACOL® 12-96	NACOL® 12-99
<i>Single Fractions</i>		<i>1-Decanol</i>	<i>1-Decanol</i>	<i>1-Dodecanol</i>	<i>1-Dodecanol</i>
Sales Specification					
<i>Individual</i>	<i>[%]</i>	<i>97.5 min.</i>	<i>99.0 min.</i>	<i>96.5 min.</i>	<i>99.0 min.</i>
<i>Alcohol Content</i>					
<i>Colour</i>	<i>[Hazen]</i>	<i>10.0 max.</i>	<i>10.0 max.</i>	<i>10.0 max.</i>	<i>10.0 max.</i>
<i>Ester Number</i>	<i>[mg KOH/g]</i>	<i>0.1 max.</i>	<i>0.1 max.</i>	<i>0.15 max.</i>	<i>0.1 max.</i>
<i>Acid Number</i>	<i>[mg KOH/g]</i>	<i>0.03 max.</i>	<i>0.03 max.</i>	<i>0.03 max.</i>	<i>0.03 max.</i>
<i>Iodine Number</i>	<i>[mg I/100 mg]</i>	<i>0.1 max.</i>	<i>0.1 max.</i>	<i>0.1 max.</i>	<i>0.1 max.</i>
<i>Water Content</i>	<i>[wt. %]</i>	<i>0.1 max.</i>	<i>0.1 max.</i>	<i>0.1 max.</i>	<i>0.1 max.</i>
Additional Properties					
<i>Density</i>	<i>[g/ml]</i>	<i>ap. 0.829 (20°C)</i>	<i>ap. 0.829 (20°C)</i>	<i>ap. 0.822 (40°C)</i>	<i>ap. 0.822 (40°C)</i>
<i>Pour Point</i>	<i>[°C]</i>	<i>approx. 6</i>	<i>approx. 6</i>	<i>–</i>	<i>–</i>
<i>Solidification Point</i>	<i>[°C]</i>	<i>–</i>	<i>–</i>	<i>22 – 24</i>	<i>23 – 25</i>
<i>Boiling Range</i>	<i>[°C]</i>	<i>220 – 235</i>	<i>220 – 235</i>	<i>255 – 265</i>	<i>258 – 265</i>
<i>Flash Point</i>	<i>[°C]</i>	<i>approx. 95</i>	<i>approx. 95</i>	<i>approx. 116</i>	<i>approx. 119</i>
<i>Molecular Weight</i>	<i>[g/mol]</i>	<i>158</i>	<i>158</i>	<i>186</i>	<i>186</i>
<i>Hydroxyl Number</i>	<i>[mg KOH/g]</i>	<i>350 – 357</i>	<i>350 – 357</i>	<i>295 – 305</i>	<i>299 – 304</i>

NACOL®

Linear Alcohols – C₆-C₂₂ Single Fractions

		NACOL® 14-95	NACOL® 14-98	NACOL® 16-95	NACOL® 16-98
Single Fractions		1-Tetradecanol	1-Tetradecanol	1-Hexadecanol	1-Hexadecanol
Sales Specification					
Individual Alcohol Content	[%]	95.0 min.	98.5 min.	95.0 min.	98.0 min.
Colour	[Hazen]	10.0 max.	10.0 max.	10.0 max.	10.0 max.
Ester Number	[mg KOH/g]	0.2 max.	0.2 max.	0.5 max.	0.5 max.
Acid Number	[mg KOH/g]	0.03 max.	0.03 max.	0.05 max.	0.05 max.
Iodine Number	[mg I/100 mg]	0.1 max.	0.1 max.	0.25 max.	0.25 max.
Water Content	[wt. %]	0.1 max.	0.1 max.	0.1 max.	0.1 max.
Additional Properties					
Density	[g/ml]	approx. 0.809 (60°C)	approx. 0.809 (60°C)	approx. 0.812 (60°C)	approx. 0.812 (60°C)
Pour Point	[°C]	–	–	–	–
Solidification Point	[°C]	36 – 38	37 – 39	45 – 49	47 – 50
Boiling Range	[°C]	275 – 290	270 – 290	300 – 320	305 – 320
Flash Point	[°C]	approx. 145	approx. 145	approx. 175	approx. 175
Molecular Weight	[g/mol]	214	214	242	242
Hydroxyl Number	[mg KOH/g]	256 – 262	258 – 262	226 – 235	226 – 235



		NACOL® 18-98	NACOL® 18-99	NACOL® 20-95	NACOL® 22-98
<i>Single Fractions</i>		1-Octadecanol	1-Octadecanol	1-Eicosanol	1-Docosanol
Sales Specification					
<i>Individual</i>	<i>[%]</i>	98.0 min.	99.0 min.	95.0 min.	98.0 min.
<i>Alcohol Content</i>					
<i>Colour</i>	<i>[Hazen]</i>	10.0 max.	10.0 max.	20.0 max.	30.0 max.
<i>Ester Number</i>	<i>[mg KOH/g]</i>	0.1 max.	0.1 max.	0.3 max.	0.2 max.
<i>Acid Number</i>	<i>[mg KOH/g]</i>	0.05 max.	0.05 max.	0.05 max.	0.1 max.
<i>Iodine Number</i>	<i>[mg I/100 mg]</i>	0.25 max.	0.15 max.	1.0 max.	0.5 max.
<i>Water Content</i>	<i>[wt. %]</i>	0.1 max.	0.1 max.	0.1 max.	0.1 max.
Additional Properties					
<i>Density</i>	<i>[g/ml]</i>	approx. 0.815 (60°C)	approx. 0.815 (60°C)	approx. 0.802 (80°C)	approx. 0.807 (80°C)
<i>Pour Point</i>	<i>[°C]</i>	–	–	–	–
<i>Solidification Point</i>	<i>[°C]</i>	56 – 59	56 – 59	62 – 66	68 – 71
<i>Boiling Range</i>	<i>[°C]</i>	325 – 340	325 – 340	–	–
<i>Flash Point</i>	<i>[°C]</i>	approx. 174	approx. 174	approx. 195	approx. 227
<i>Molecular Weight</i>	<i>[g/mol]</i>	270	270	298	326
<i>Hydroxyl Number</i>	<i>[mg KOH/g]</i>	200 – 210	200 – 210	180 – 188	168 – 171

Other single fractions are available on request.

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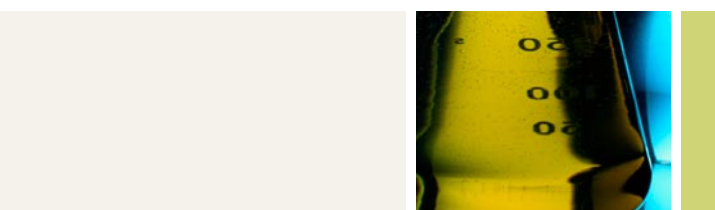
NAFOL®

Linear Alcohols – C₈ - C₂₈ Blends

		NAFOL® 810 D	NAFOL® 10 D	NAFOL® 1012
Sales Specification				
Alcohol	[%]	C ₆ – OH 1.0 max.	C ₈ – OH 10.0 max.	C ₈ – OH 1.0 max.
Composition		C ₈ – OH 43.0 ± 4	C ₁₀ – OH 90.0 min.	C ₁₀ – OH 85.0 ± 4
		C ₁₀ – OH 55.0 ± 4	C ₁₂ – OH 4.0 max.	C ₁₂ – OH 8.5 ± 2
		C ₁₂ – OH 1.0 max.		C ₁₄ – OH 6.5 ± 2
				C ₁₆ – OH 0.5 max.
Colour	[Hazen]	10.0 max.	10.0 max.	10.0 max.
Ester Number	[mg KOH/g]	0.1 max.	0.1 max.	0.1 max.
Acid Number	[mg KOH/g]	0.03 max.	0.03 max.	0.03 max.
Iodine Number	[mg I/100 mg]	0.1 max.	0.1 max.	0.1 max.
Water Content	[wt. %]	0.1 max.	0.1 max.	0.1 max.
Additional Properties				
Alcohol Content	[%]	99.0 min.	99.0 min.	99.0 min.
Density	[g/ml]	approx. 0.827 (20°C)	approx. 0.829 (20°C)	approx. 0.830 (20°C)
Solidification Point	[°C]	approx. –11 ¹	approx. +3 ¹	– 2 to +2
Boiling Range	[°C]	195 – 240	215 – 240	220 – 285
Flash Point	[°C]	approx. 85	approx. 95	approx. 105
Molecular Weight	[g/mol]	143 – 148	155 – 162	160 – 168
Hydroxyl Number	[mg KOH/g]	380 – 390	345 – 365	335 – 350

¹⁾ Pour point

		NAFOL® 1214	NAFOL® 1214 S	NAFOL® 1214 Z
Sales Specification				
Alcohol	[%]	$C_{10} - OH \ 1.5 \ max.$	$C_{10} - OH \ 1.5 \ max.$	$C_{10} - OH \ 0.5 \ max.$
Composition		$C_{12} - OH \ 54.0 \pm 3$	$C_{12} - OH \ 70.0 \pm 3$	$C_{12} - OH \ 68.0 \pm 3$
		$C_{14} - OH \ 44.0 \pm 3$	$C_{14} - OH \ 27.0 \pm 3$	$C_{14} - OH \ 27.0 \pm 3$
		$C_{16} - OH \ 1.5 \ max.$	$C_{16} - OH \ 1.5 \ max.$	$C_{16} - OH \ 6.0 \pm 2$
				$C_{18} - OH \ 0.5 \ max.$
Colour	[Hazen]	10.0 max.	10.0 max.	10.0 max.
Ester Number	[mg KOH/g]	0.3 max.	0.3 max.	0.3 max.
Acid Number	[mg KOH/g]	0.03 max.	0.03 max.	0.05 max.
Iodine Number	[mg I/100 mg]	0.1 max.	0.1 max.	0.1 max.
Water Content	[wt. %]	0.1 max.	0.1 max.	0.1 max.
Additional Properties				
Alcohol Content	[%]	99.0 min.	99.0 min.	99.0 min.
Density	[g/ml]	approx. 0.822 (40°C)	approx. 0.822 (40°C)	approx. 0.822 (40°C)
Solidification Point	[°C]	22–25	19–22	19–22
Boiling Range	[°C]	265 – 295	260 – 290	255 – 305
Flash Point	[°C]	approx. 130	approx. 130	approx. 137
Molecular Weight	[g/mol]	195 – 203	190 – 197	193 – 200
Hydroxyl Number	[mg KOH/g]	276 – 287	285 – 295	280 – 290



NAFOL®

Linear Alcohols – C₁₀ - C₂₈ Blends

		NAFOL® 1412 H	NAFOL® 1218	NAFOL® 1218 D
Sales Specification				
Alcohol	[%]	C ₁₀ – OH 1.5 max.	C ₁₀ – OH 2.0 max.	C ₁₀ – OH 1.0 max.
Composition		C ₁₂ – OH 33.0 ± 3	C ₁₂ – OH 40.0 ± 4	C ₁₂ – OH 27.0 ± 3
		C ₁₄ – OH 64.0 ± 4	C ₁₄ – OH 30.0 ± 4	C ₁₄ – OH 23.0 ± 3
		C ₁₆ – OH 2.0 max.	C ₁₆ – OH 18.0 ± 2	C ₁₆ – OH 26.0 ± 5
			C ₁₈ – OH 10.0 ± 2	C ₁₈ – OH 23.0 ± 5
			C ₂₀ – OH 1.0 max.	C ₂₀ – OH 2.0 max.
Colour	[Hazen]	10.0 max.	10.0 max.	10.0 max.
Ester Number	[mg KOH/g]	0.3 max.	0.5 max.	0.5 max.
Acid Number	[mg KOH/g]	0.05 max.	0.05 max.	0.05 max.
Iodine Number	[mg I/100 mg]	0.1 max.	0.2 max.	0.2 max.
Water Content	[wt. %]	0.1 max.	0.1 max.	0.1 max.
Additional Properties				
Alcohol Content	[%]	99.0 min.	98.5 min.	98.5 min.
Density	[g/ml]	approx. 0.822 (40°C)	approx. 0.823 (40°C)	approx. 0.823 (40°C)
Solidification Point	[°C]	26–29	25–28	30–34
Boiling Range	[°C]	265 – 300	270 – 335	270 – 340
Flash Point	[°C]	approx. 130	approx. 145	approx. 135
Molecular Weight	[g/mol]	197 – 208	204 – 216	218 – 224
Hydroxyl Number	[mg KOH/g]	270 – 285	260 – 275	246 – 254

		NAFOL® 1218 K	NAFOL® 1618	NAFOL® 1618 H
Sales Specification				
Alcohol	[%]	$C_{10} - OH \ 3.0 \ max.$	$C_{12} - OH \ 0.2 \ max.$	$C_{12} - OH \ 0.2 \ max.$
Composition		$C_{12} - OH \ 53.0 \pm \ 5$	$C_{14} - OH \ 2.0 \ max.$	$C_{14} - OH \ 2.0 \ max.$
		$C_{14} - OH \ 21.0 \pm \ 3$	$C_{16} - OH \ 63.0 \pm \ 4$	$C_{16} - OH \ 48.5 \pm \ 3.5$
		$C_{16} - OH \ 10.0 \pm \ 2$	$C_{18} - OH \ 33.0 \pm \ 4$	$C_{18} - OH \ 48.5 \pm \ 3.5$
		$C_{18} - OH \ 11.0 \pm \ 2$	$C_{20} - OH \ 3.0 \ max.$	$C_{20} - OH \ 3.0 \ max.$
		$C_{20} - OH \ 1.0 \ max.$	$C_{22} - OH \ 0.2 \ max.$	$C_{22} - OH \ 0.2 \ max.$
Colour	[Hazen]	10.0 max.	10.0 max.	10.0 max.
Ester Number	[mg KOH/g]	0.25 max.	0.8 max.	0.8 max.
Acid Number	[mg KOH/g]	0.05 max.	0.05 max.	0.05 max.
Iodine Number	[mg I/100 mg]	0.2 max.	0.4 max.	0.4 max.
Water Content	[wt. %]	0.1 max.	0.1 max.	0.1 max.
Additional properties				
Alcohol Content	[%]	98.5 min.	98.5 min.	98.5 min.
Density	[g/ml]	approx. 0.823 (40°C)	approx. 0.814 (60°C)	approx. 0.815 (60°C)
Solidification	[°C]	22 – 26	46 – 49	47 – 51
Point				
Boiling Range	[°C]	270 – 335	300 – 350	300 – 355
Flash Point	[°C]	approx. 146	approx. 176	approx. 180
Molecular	[g/mol]	204 – 212	248 – 260	253 – 262
Weight				
Hydroxyl	[mg KOH/g]	265 – 275	216 – 226	214 – 220
Number				

Other blends are available on request.

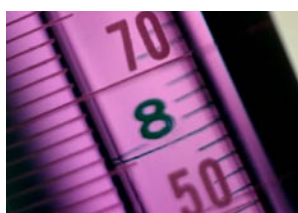
NAFOL®

Linear Alcohols – C₁₀ - C₂₈ Blends

		NAFOL® 1618 L	NAFOL® 1618 S	NAFOL® 1620
Sales Specification				
Alcohol	[%]	C ₁₂ – OH 0.2 max.	C ₁₂ – OH 0.4 max.	C ₁₂ – OH 0.2 max.
Composition		C ₁₄ – OH 3.0 max.	C ₁₄ – OH 4.0 max.	C ₁₄ – OH 2.0 max.
		C ₁₆ – OH 73.0 ± 3	C ₁₆ – OH 27.0 ± 4	C ₁₆ – OH 51.0 ± 4
		C ₁₈ – OH 22.0 ± 2	C ₁₈ – OH 70.0 ± 5	C ₁₈ – OH 30.0 ± 4
		C ₂₀ – OH 2.0 max.	C ₂₀ – OH 2.0 max.	C ₂₀ – OH 14.0 ± 4
		C ₂₂ – OH 0.2 max.	C ₂₂ – OH 0.2 max.	C ₂₂ – OH 3.0 max.
				C ₂₄ – OH 0.2 max.
Colour	[Hazen]	10.0 max.	10.0 max.	30.0 max.
Ester Number	[mg KOH/g]	0.8 max.	0.8 max.	1.0 max.
Acid Number	[mg KOH/g]	0.05 max.	0.05 max.	0.1 max.
Iodine Number	[mg I/100 mg]	0.4 max.	0.4 max.	0.6 max.
Water Content	[wt. %]	0.1 max.	0.1 max.	0.1 max.
Additional Properties				
Alcohol Content	[%]	98.5 min.	98.5 min.	97.5 min.
Density	[g/ml]	approx. 0.815 (60°C)	approx. 0.815 (60°C)	approx. 0.815 (60°C)
Solidification Point	[°C]	45–49	50–54	45–49
Boiling Range	[°C]	300 – 355	300 – 355	> 300
Flash Point	[°C]	approx. 170	approx. 183	approx. 175
Molecular Weight	[g/mol]	250 – 260	257 – 267	255 – 269
Hydroxyl Number	[mg KOH/g]	216 – 224	210 – 216	208 – 220

		NAFOL® 1822	NAFOL® 1822 B	NAFOL® 1822 C
Sales Specification				
Alcohol	[%]	$C_{16} - OH \ 1.0 \ max.$	$C_{16} - OH \ 1.0 \ max.$	$C_{16} - OH \ 0.5 \ max.$
Composition		$C_{18} - OH \ 43.0 \pm 2$	$C_{18} - OH \ 15.0 \pm 1$	$C_{18} - OH \ 5.0 \pm 1$
		$C_{20} - OH \ 11.0 \pm 2$	$C_{20} - OH \ 15.0 \pm 1$	$C_{20} - OH \ 17.0 \pm 2$
		$C_{22} - OH \ 44.0 \pm 2$	$C_{22} - OH \ 69.0 \pm 2$	$C_{22} - OH \ 76.0 \pm 2$
		$C_{24} - OH \ 1.0 \ max.$	$C_{24} - OH \ 1.0 \ max.$	$C_{24} - OH \ 1.5 \ max.$
Colour	[Hazen]	20.0 max.	20.0 max.	20.0 max.
Ester Number	[mg KOH/g]	0.15 max.	0.3 max.	0.3 max.
Acid Number	[mg KOH/g]	0.05 max.	0.05 max.	0.05 max.
Iodine Number	[mg I/100 mg]	0.5 max.	0.5 max.	0.6 max.
Water Content	[wt. %]	0.1 max.	0.1 max.	0.1 max.
Additional properties				
Alcohol Content	[%]	99.0 min.	99.0 min.	99.0 min.
Density	[g/ml]	approx. 0.800 (80°C)	approx. 0.802 (80°C)	approx. 0.802 (80°C)
Solidification Point	[°C]	57–61	63–65	64–69
Boiling Range	[°C]	–	–	–
Flash Point	[°C]	approx. 202	approx. 204	approx. 204
Molecular Weight	[g/mol]	295 – 311	312 – 320	315 – 321
Hydroxyl Number	[mg KOH/g]	185 – 190	175 – 180	173 – 177

Other blends are available on request.



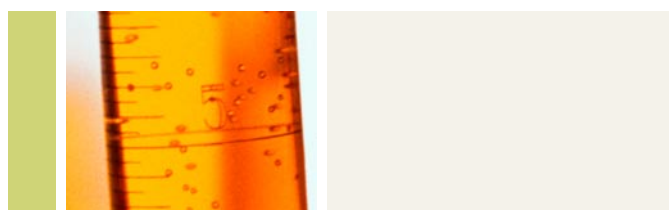
NAFOL®

Linear Alcohols – C₁₀ - C₂₈ Blends

		NAFOL® 20 + A	NAFOL® 20 +
Sales Specification			
Alcohol	[%]	C ₁₆ – OH 2.0 max.	C ₁₆ – OH 0.5 max.
Composition		C ₁₈ – OH 25.0 ± 3	C ₁₈ – OH 6.0 max.
		C ₂₀ – OH 25.0 ± 4	C ₂₀ – OH 50.0 ± 10
		C ₂₂ – OH 35.0 ± 4	C ₂₂ – OH 29.0 ± 6
		C ₂₄ – OH 7.5 ± 2.5	C ₂₄ – OH 14.0 ± 4
		C ₂₆ – OH 4.5 ± 2.5	C ₂₆ – OH 5.0 ± 3
Colour	[Hazen]	1300.0 max.	1800.0 max.
Ester Number	[mg KOH/g]	10.0 max.	10.0 max.
Acid Number	[mg KOH/g]	0.1 max.	0.3 max.
Iodine Number	[mg I/100 mg]	20.0 max.	20.0 max.
Water Content	[wt. %]	0.1 max.	0.1 max.
Additional Properties			
Alcohol Content	[%]	approx. 83.0	approx. 80.0
Density	[g/ml]	approx. 0.803 (80°C)	approx. 0.805 (80°C)
Solidification Point	[°C]	54–58	53–58
Boiling Range	[°C]	–	–
Flash Point	[°C]	approx. 208	approx. 210
Molecular Weight	[g/mol]	–	–
Hydroxyl Number	[mg KOH/g]	145 – 165	130 – 150

		NAFOL® 22 +	NAFOL® 2022
Sales Specification			
Alcohol	[%]	C_{18} – OH 1.0 max.	C_{16} – OH 0.5 max.
Composition		C_{20} – OH 10.0 max.	C_{18} – OH 7.0 max.
		C_{22} – OH 55.0 ± 10	C_{20} – OH 58.0 ± 6
		C_{24} – OH 25.0 ± 6	C_{22} – OH 30.0 ± 5
		C_{26} – OH 13.0 ± 4	C_{24} – OH 6.0 max.
		C_{28} – OH 9.0 max.	
Colour	[Hazen]	3500.0 max.	100.0 max.
Ester Number	[mg KOH/g]	18.0 max.	4.0 max.
Acid Number	[mg KOH/g]	1.0 max.	1.0 max.
Iodine Number	[mg I/100 mg]	26.0 max.	3.5 max.
Water Content	[wt. %]	0.1 max.	0.1 max.
Additional properties			
Alcohol Content	[%]	approx. 65.0	95.0 min.
Density	[g/ml]	approx. 0.807 (80°C)	approx. 0.802 (80°C)
Solidification Point	[°C]	55–65	55–61
Boiling Range	[°C]	–	–
Flash Point	[°C]	approx. 220	approx. 200
Molecular Weight	[g/mol]	–	300–315
Hydroxyl Number	[mg KOH/g]	95–130	160–185

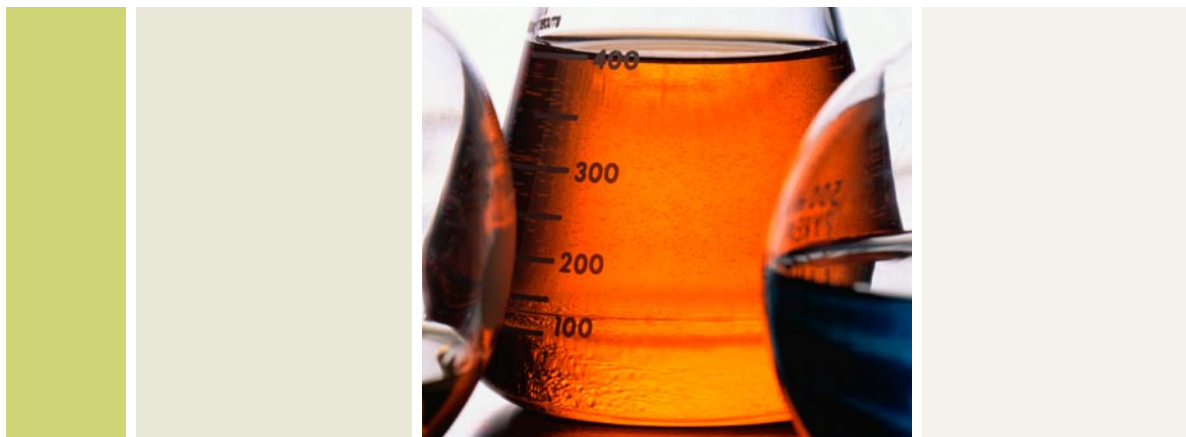
Other blends are available on request.



NAFOL®

Linear Alcohols – C₁₀ - C₂₈ Blends

Analytical Methods			Sasol Method	with reference to
Alcohol Composition			600 – 11/12	Gas Chromatographic Method
Alcohol Content			600 – 11/12	Gas Chromatographic Method
Colour			600 – 40	DIN 53 409
Density			600 – 23	DIN 51 757
Solidification Point			600 – 22 A	DIN 53 175
Pour Point			600 – 20	ISO 3016
Boiling Range			600 – 21	DIN 51 751 DIN 53 171
Flash Point	Abel Pensky	< 65°C	600 – 26 A	DIN 51 755
	Pensky Martens	65°C – 165°C	600 – 26 B	DIN 51 758
	Cleveland	> 165°C	600 – 26 C	ISO 2592
Hydroxyl Number			600 – 30	DIN 53 240
Ester Number			600 – 33	DIN 53 401
Acid Number			600 – 31	DIN 53 402
Iodine Number			600 – 39	DIN 53 241
Viscosity [ubbellohde]			600 – 25	DIN 51 562
Water Content			600 – 37	DIN 51 777
Refraction Index			600 – 24	DIN 51 423
Carbonyl Number			600 – 34	ASTM E 411



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