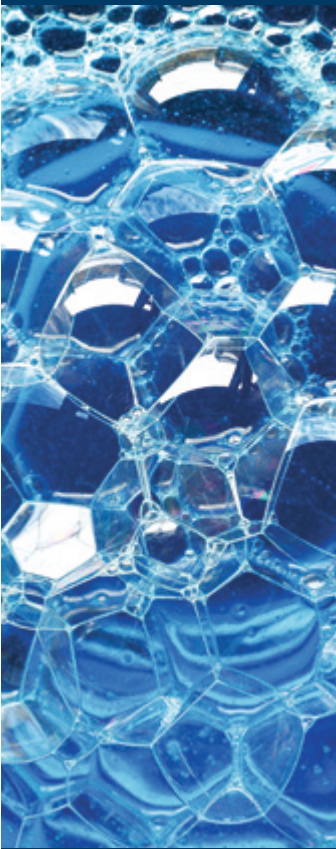


SURFACTANTS PRODUCT RANGE

Sasol Chemicals



SASOL





About us

We at Sasol Chemicals innovate for a better world and deliver long-term value to our customers, communities and society.

Our broad portfolio of high-value products plays an integral role in the creation of numerous solutions that benefit the lives of millions of people.

Thousands of companies around the world leverage our technology, world-class facilities, expertise and collaborative approach to tackle their challenges.

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Foreword

Sasol's leading expertise in supplying surfactants and specialty products is reflected in our extensive product line: we supply anionic and nonionic surfactants, as well as a number of specialties.

This brochure gives a comprehensive overview of our global product portfolio. The production regions are listed within the tables. Our sales products are marketed globally, please contact our sales offices.

Adding value to life.

Our worldwide manufacturing network together with the highly skilled marketing, research and development teams are dedicated to helping you achieve your performance and formulation requirements.

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Tables

1. Surfactants, nonionic

Linear alcohol ethoxylates

Chemical description	Product name	Active matter, %	Cloud point [°C]	Form supplied	Product made in
C ₆ -alcohol polyethylene glycol ether (2 EO)	NOVEL 6-2	100	62 ¹⁾	liquid	USA
C ₆ -alcohol polyethylene glycol ether (3 EO)	NOVEL 6-3	100	73 ²⁾	liquid	USA
C ₆ -alcohol polyethylene glycol ether (5 EO)	MARLOSOL HE 9050	100	47–50 ³⁾	liquid	Europe
C ₆ -alcohol polyethylene glycol ether (6 EO)	NOVEL 6-6	100	56 ³⁾	liquid	USA
C ₆ -alcohol polyethylene glycol ether (15 EO)	NOVEL 6-15	100	—	liquid	USA
C ₆ -alcohol polyethylene glycol ether (150 EO)	NOVEL 6-150	100	—	solid	USA
C ₆ -C ₁₀ -alcohol polyethylene glycol ether (1.8 EO)	NOVEL 610-1.8	100	—	liquid	USA
C ₆ -C ₁₀ -alcohol polyethylene glycol ethers (3.5 EO)	ALFONIC 610-3.5	100	63.5 ¹⁾ /62–64 ¹⁾	liquid	USA, Europe
	NOVEL 610-3.5	100	68 ¹⁾	liquid	USA
	SLOVASOL 610D-3.5	100	62–64 ¹⁾	liquid	Europe
C ₈ -alcohol polyethylene glycol ethers (3 EO)	SLOVASOL 083	100	58–63 ¹⁾	liquid	Europe
C ₈ -alcohol polyethylene glycol ethers (4 EO)	SLOVASOL 084	100	67–73 ¹⁾	liquid	Europe
C ₈ -alcohol polyethylene glycol ethers (6 EO)	DIONIL E6N	100	55–59 ³⁾	liquid	Europe
C ₈ -alcohol polyethylene glycol ethers (7 EO)	NOVEL 8-7	100	82–85 ²⁾	liquid	USA, Europe
	AEO 7-8-II	100	—	liquid	Asia
	SLOVASOL 087	100	51–54 ³⁾	liquid	Europe
C ₈ -alcohol polyethylene glycol ether (8 EO)	SLOVASOL 088	100	57–59 ³⁾	liquid	Europe
C ₈ -C ₁₀ -alcohol polyethylene glycol ethers (2 EO)	ALFONIC 810-2	100	48 ¹⁾	liquid	USA
	NOVEL 810-2	100	48 ¹⁾	liquid	USA
C ₈ -C ₁₀ -alcohol polyethylene glycol ethers (3 EO)	BIODAC 38	100	58–61 ¹⁾	liquid	Europe
C ₈ -C ₁₀ -alcohol polyethylene glycol ether (3.5 EO)	NOVEL 810-3.5	100	64 ¹⁾	liquid	USA
C ₈ -C ₁₀ -alcohol polyethylene glycol ethers (4.5 EO)	ALFONIC 810-4.5	100	71 ¹⁾	liquid	USA
	NOVEL 810-4.5	100	72 ¹⁾	liquid	USA
C ₈ -C ₁₀ -alcohol polyethylene glycol ethers (5 EO)	AEO 5-80	100	42–50 ¹⁾	liquid	Asia
	NOVEL 810 FD-5	100	58 ¹⁾	liquid	USA
	SLOVASOL 810D-5	100	36–39 ²⁾	liquid	Europe
C ₈ -C ₁₀ -alcohol polyethylene glycol ethers (6 EO)	ALFONIC 810-6	100	68 ²⁾	liquid	USA
	NOVEL 810 FD-6	100	70 ²⁾	liquid	USA
	SLOVASOL 810D-6	100	65–69 ²⁾	liquid	Europe
C ₈ -C ₁₀ -alcohol polyethylene glycol ethers (7 EO)	NOVEL 810 FD-7	100	79 ²⁾	liquid	USA
	BIODAC 78N	100	77–82 ²⁾	liquid	Europe
C ₁₀ -alcohol polyethylene glycol ether (1 EO)	ALFONIC 12-1	100	—	liquid	USA
C ₁₀ -alcohol polyethylene glycol ether (3 EO)	NOVEL 10-3	100	64 ¹⁾	liquid	USA
C ₁₀ -alcohol polyethylene glycol ethers (4 EO)	MARLIPAL 10/4	100	59–62 ⁵⁾	liquid	Europe
	NOVEL 10-4	100	66 ²⁾	liquid	USA
C ₁₀ -alcohol polyethylene glycol ethers (8 EO)	ALFONIC 10-8	100	83 ²⁾	liquid	USA
	MARLIPAL 10/8	100	80–86 ¹⁰⁾	liquid	Europe
C ₁₀ -C ₁₂ -alcohol polyethylene glycol ether (3 EO)	ALFONIC 1012-3	100	59 ¹⁾	liquid	USA
C ₁₀ -C ₁₂ -alcohol polyethylene glycol ether (3.5 EO)	NOVEL 1012 GB-3.5	100	65 ¹⁾	liquid	USA

1) 10% in 25% BDG solution

2) 1% in deionized water

3) 1% in 10% NaCl solution

4) hydroxyl number in mg KOH/g

5) 17% in 25% BDG solution

10) 2% in deionized water

Chemical description	Product name	Active matter, %	Cloud point [°C]	Form supplied	Product made in
C ₁₀ -C ₁₂ -alcohol polyethylene glycol ethers (5 EO)	ALFONIC 1012-5	100	43 ²⁾	liquid	USA
	NOVEL 1012-5	100	73 ¹⁾	liquid	USA
C ₁₀ -C ₁₂ -alcohol polyethylene glycol ethers (6 EO)	ALFONIC 1012-6	100	54 ²⁾	liquid	USA
	MARLIPAL 1012/6	100	52-55 ¹⁰⁾	liquid	Europe
	NOVEL 1012-6	100	63 ²⁾	liquid	USA
C ₁₀ -C ₁₂ -alcohol polyethylene glycol ether (9 EO)	NOVEL 1012-9	100	60 ³⁾	liquid	USA
C ₁₀ -C ₁₂ -alcohol polyethylene glycol ether (12 EO)	AEO 12-1012HA	100	81.5-84.5 ¹¹⁾	solid	Asia
C ₁₀ -C ₁₂ -alcohol polyethylene glycol ether (21 EO)	NOVEL 1012 GB-21	100	74-79 ³⁾	solid	USA
C ₁₂ -alcohol polyethylene glycol ether (1 EO)	AEO 1-12	100	235-243 ⁴⁾	liquid	Asia
C ₁₂ -alcohol polyethylene glycol ether (4 EO)	MARLOWET BL	100	67-70 ¹⁾	liquid	Europe
C ₁₂ -alcohol polyethylene glycol ether (6 EO)	AEO 6-12	100	40-43 ²⁾	liquid	Asia
C ₁₂ -alcohol polyethylene glycol ethers (7 EO)	MARLIPAL MG	100	60-63 ¹⁰⁾	liquid	Europe
	AEO 7-12	100	59-62 ²⁾	liquid	Asia
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ether (1 EO)	LORODAC 1-24	100	—	liquid	Europe
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ethers (2 EO)	ALFONIC 1214 GC-2	100	51 ¹⁾	liquid	USA
	LORODAC 2-24	100	50-52 ¹⁾	liquid	Europe
	MARLIPAL 24/20	100	49-51 ¹⁾	liquid	Europe
	NOVEL 1412-2	100	54 ²⁾	liquid	USA
	SLOVASOL 242	100	49-52 ¹⁾	liquid	Europe
	AEO 2-24S	100	—	liquid	Asia
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ethers (3 EO)	ALFONIC 1214 GC-3	100	61 ¹⁾	liquid	USA
	ALFONIC 1412-3	100	60 ¹⁾	liquid	USA
	NOVEL 1412-3	100	59 ¹⁾	liquid	USA
	LORODAC 3-24	100	60-62 ¹⁾	liquid	Europe
	MARLIPAL 24/30	100	59-61 ¹⁾	liquid	Europe
	SLOVASOL 243	100	58-62 ¹⁾	liquid	Europe
	AEO 3-24S	100	59-63 ¹⁾	liquid	Asia
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ethers (4 EO)	LORODAC 4-24	100	64-66 ¹⁾	liquid	Europe
	MARLIPAL 24/40	100	66-68 ¹⁾	liquid	Europe
	MARLOSOL PK 9040	100	66-68 ¹⁾	liquid	Europe
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ethers (5 EO)	MARLIPAL 24/50	100	72-74 ¹⁾	liquid	Europe
	SLOVASOL 245	100	71-75 ¹⁾	liquid	Europe
	LORODAC 5-24	100	71-73 ¹⁾	liquid	Europe
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ethers (6 EO)	LORODAC 6-24	100	41-42 ²⁾	liquid	Europe
	MARLIPAL 24/60	100	76-78 ¹⁾	liquid	Europe
	MARLIPAL 24/60 RSPO-MB	100	76-78 ¹⁾	liquid	Europe
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ethers (6.5 EO)	LORODAC 6.5-24	100	51-53 ²⁾	liquid	Europe
	AEO 6.5-24Z	100	43-47 ²⁾	liquid	Asia

1) 10% in 25% BDG solution

2) 1% in deionized water

3) 1% in 10% NaCl solution

4) hydroxyl number in mg KOH/g

10) 2% in deionized water

11) 1% in 5% NaCl solution

Linear alcohol ethoxylates

Chemical description	Product name	Active matter, %	Cloud point [°C]	Form supplied	Product made in
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ethers (7 EO)	ALFONIC 1412-7	100	54 ²⁾	liquid	USA
	NOVEL 1412-7	100	52 ²⁾	liquid	USA
	LORODAC 7-24	100	57-59 ²⁾	liquid	Europe
	MARLIPAL 24/70	100	53-56 ¹⁰⁾	liquid	Europe
	MARLIPAL 24/70 RSPO-MB	100	53-56 ¹⁰⁾	liquid	Europe
	MARLIPAL 24/79	90	53-56 ¹⁰⁾	liquid	Europe
	SLOVASOL 247	100	78-81 ¹⁾	liquid	Europe
	AEO 7-24S	100	55-58 ²⁾	liquid	Asia
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ethers (8 EO)	SLOVASOL 248	100	67-71 ¹⁾	liquid	Europe
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ethers (9 EO)	ALFONIC 1412-9	100	52.5 ³⁾	solid	USA
	NOVEL 1412-9	100	50 ³⁾	solid	USA
	MARLIPAL 24/90	100	81-83 ¹⁰⁾	solid	Europe
	MARLIPAL 24/99	90	81-83 ¹⁰⁾	liquid	Europe
	LORODAC 9-24	100	79-81 ²⁾	paste	Europe
	LORODAC 9-24 RSPO	100	79-81 ²⁾	paste	Europe
	AEO 9-24S	100	78-82 ²⁾	liquid	Asia
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ether (10 EO)	MARLIPAL 24/100	100	ca. 94 ¹⁰⁾	solid	Europe
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ether	MARLIPAL 24/939	90	74-76 ¹⁾	liquid	Europe
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ethers (11 EO)	MARLIPAL 24/110	100	—	paste	Europe
	MARLIPAL 24/119	90	—	liquid	Europe
	NOVEL 1412-11	100	63.5 ³⁾	solid	USA
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ethers (12 EO)	LORODAC 12-24	100	79-81 ¹¹⁾	solid	Europe
	MARLIPAL 24/120	100	—	paste	Europe
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ether (20 EO)	LORODAC 20-24	100	75-77 ³⁾	solid	Europe
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ethers (30 EO)	SLOVASOL 2430	100	—	solid	Europe
	SLOVASOL 2430/7	70	—	liquid	Europe
C ₁₂ -C ₁₆ -alcohol polyethylene glycol ethers (1 EO)	ALFONIC 1216 CO-1	100	31 ¹⁾	liquid	USA
	ALFONIC 1216 CO-O-1	100	31 ¹⁾	liquid	USA
C ₁₂ -C ₁₆ -alcohol polyethylene glycol ethers (2 EO)	AEO 2-24Z	100	50-52 ¹⁾	liquid	Asia
	ALFONIC 1216 CO-2	100	48 ¹⁾	liquid	USA
	ALFONIC 1216 CO-O-2	100	31 ¹⁾	liquid	USA
	NOVEL 1216CO-2	100	50 ¹⁾	liquid	USA
C ₁₂ -C ₁₆ -alcohol polyethylene glycol ethers (3 EO)	ALFONIC 1216 CO-3	100	62 ¹⁾	liquid	USA
	ALFONIC 1216 CO-O-3	100	62 ¹⁾	liquid	USA
	NOVEL 1216 CO-3	100	61 ¹⁾	liquid	USA
C ₁₂ -C ₁₆ -alcohol polyethylene glycol ether (4 EO)	AEO 4-24Z	100	66-69 ¹⁾	liquid	Asia
C ₁₂ -C ₁₆ -alcohol polyethylene glycol ether (5 EO)	AEO 5-24Z	100	70-74 ¹⁾	liquid	Asia
C ₁₂ -C ₁₆ -alcohol polyethylene glycol ether (6 EO)	AEO 6-24Z	100	75-78 ¹⁾	liquid	Asia
C ₁₂ -C ₁₆ -alcohol polyethylene glycol ethers (7 EO)	AEO 7-24Z	100	55-58 ²⁾	liquid	Asia
	ALFONIC 1216 CO-7	100	57 ²⁾	liquid	USA
	NOVEL 1216 CO-7	100	60 ²⁾	liquid	USA
	AEO 9-24Z	100	78-82 ²⁾	paste	Asia
C ₁₂ -C ₁₆ -alcohol polyethylene glycol ethers (9 EO)	ALFONIC 1216 CO-9	100	75 ²⁾	solid	USA
	AEO 12-24Z	100	75-85 ¹¹⁾	solid	Asia
C ₁₂ -C ₁₆ -alcohol polyethylene glycol ethers (12 EO)	ALFONIC 1216 CO-12	100	72 ³⁾	solid	USA

1) 10% in 25% BDG solution

2) 1% in deionized water

3) 1% in 10% NaCl solution

10) 2% in deionized water

11) 1% in 5% NaCl solution

Chemical description	Product name	Active matter, %	Cloud point [°C]	Form supplied	Product made in
C ₁₂ -C ₁₆ -alcohol polyethylene glycol ether (23 EO)	ALFONIC 1216 CO-23	100	77 ³⁾	solid	USA
C ₁₂ -C ₁₈ -alcohol polyethylene glycol ether (5.4 EO)	ALFONIC 1218-5.4	100	74 ¹⁾	liquid	USA
C ₁₂ -C ₁₈ -alcohol polyethylene glycol ether (7 EO)	NOVEL 1218-7	100	49-59 ¹⁾	solid	USA
C ₁₄ -C ₁₆ -alcohol polyethylene glycol ether (7 EO)	NOVEL 1416-7	100	49 ²⁾	solid	USA
C ₁₆ -alcohol polyethylene glycol ether (3 EO)	NOVEL 16-3	100	63 ¹⁾	solid	USA
C ₁₆ -alcohol polyethylene glycol ether (20 EO)	NOVEL 16-20	100	—	solid	USA
C ₁₆ -C ₁₈ -alcohol ethylene glycol ether (1 EO)	MARLIPAL 1618/1	100	58-61 ⁷⁾	liquid	Europe
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ether (2 EO)	EMULDAC AS-2	100	55-57 ¹⁾	solid	Europe
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ether (3.5 EO)	EMULDAC AS-3.5	100	61-63 ⁵⁾	solid	Europe
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ethers (6 EO)	ALFONIC 1618-6	100	77.5 ³⁾	liquid	USA
	EMULDAC AS-6	100	77-79 ¹⁾	solid	Europe
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ether (9 EO)	MARLIPAL 1618/9	100	85-88 ¹⁾	solid	Europe
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ethers (11 EO)	EMULDAC AS-11	100	88-90 ²⁾	solid	Europe
	MARLIPAL 1618/11	100	84-90 ¹⁰⁾	in drums: solid in bulk: liquid	Europe
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ether (15 EO)	EMULDAC AS-18	100	74-76 ³⁾	solid	Europe
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ethers (18 EO)	EMULDAC AS-20	100	75-77 ³⁾	solid	Europe
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ethers (20 EO)	GALENOL 2100	100	—	solid	USA
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ethers (21 EO)	EMULDAC AS-22	100	78-80 ³⁾	solid	Europe
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ether (25 EO)	NOVEL 1618 CG-25	100	—	solid	USA
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ether (28 EO)	NOVEL 1618 CG-28	100	—	solid	USA
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ether (29 EO)	EMULDAC AS-25	100	76-80 ³⁾	flakes	Europe
	EMULDAC AS-25 RSPO-MB	100	76-80 ³⁾	flakes	Europe
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ether (29 EO) + polyethylene glycol 4000	EMULGANTE OS	100	—	flakes	Europe
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ether (30 EO)	GALENOL 2800	100	—	solid	USA
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ether (50 EO)	EMULDAC ALCS 100	100	74-78 ³⁾	flakes	Europe
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ether (55 EO)	AEO 80-68S	100	14-25 ⁴⁾	flakes	Asia
C ₁₆ -C ₁₈ -alcohol polyethylene glycol ethers (80 EO)	EMULDAC AS-80	100	73-77 ³⁾	flakes	Europe
	NOVEL 1618-80	100	—	solid	USA
Cetyl/Oleyl alcohol polyethylene glycol ethers (2 EO)	EMULGANTE CO-2	100	54-56 ¹⁾	paste	Europe
	SLOVAPOL N 182	100	45-50 ¹⁾	liquid	Europe
Cetyl/Oleyl alcohol polyethylene glycol ethers (5 EO)	EMULGANTE CO-5	100	63-67 ⁵⁾	paste	Europe
	MARLOWET OA 5/K	100	70-73 ¹⁾	liquid	Europe
	SLOVAPOL N 185	100	67-73 ¹⁾	liquid, paste	Europe
Cetyl/Oleyl alcohol polyethylene glycol ether (10 EO)	EMULGANTE CO-10	100	67-70 ²⁾	paste	Europe
Cetyl/Oleyl alcohol polyethylene glycol ether (55 EO)	EMULGANTE CO-55	100	—	flakes	Europe
Oleyl alcohol polyethylene glycol ether	MARLIPAL SU	100	74-78 ³⁾	solid	Europe
C ₁₈ -alcohol polyethylene glycol ether (1 EO)	NOVEL 18-1	100	—	solid	USA
C ₁₈ -alcohol polyethylene glycol ethers (2 EO)	ALFONIC 18-2	100	50 ¹⁾	solid	USA
	NOVEL 18-2	100	48 ¹⁾	solid	USA
C ₁₈ -alcohol polyethylene glycol ether (20 EO)	NOVEL 18-20	100	—	solid	USA
C ₂₂ -alcohol polyethylene glycol ether (4 EO)	NOVEL 22-4	100	73 ¹⁾	solid	USA
C ₂₂ -alcohol polyethylene glycol ether (25 EO)	NOVEL 22-25	100	73 ³⁾	solid	USA

1) 10% in 25% BDG solution

2) 1% in deionized water

3) 1% in 10% NaCl solution

4) hydroxyl number in mg KOH/g

5) 17% in 25% BDG solution

7) 5% in 25% BDG solution

10) 2% in deionized water

Branched/semi branched alcohol ethoxylates

Chemical description	Product name	Active matter, %	Cloud point [°C]	Form supplied	Product made in
C ₈ -alcohol polyethylene glycol ether (3 EO)	SLOVASOL 083 EH	100	49–53 ¹⁾	liquid	Europe
C ₈ -alcohol polyethylene glycol ether (6.5 EO)	NOVEL 8i-6.5	100	73 ²⁾	liquid	USA
C ₉ -C ₁₁ -alcohol polyethylene glycol ether (3 EO)	LIALET 91-3	100	50–52 ¹⁾	liquid	Europe
C ₉ -C ₁₁ -alcohol polyethylene glycol ether (5 EO)	LIALET 91-5N	100	67–69 ¹⁾	liquid	Europe
C ₁₀ -alcohol polyethylene glycol ether (3 EO)	BIODAC 310	100	56–57 ¹⁾	liquid	Europe
C ₁₀ -alcohol polyethylene glycol ether (4 EO)	BIODAC 410	100	67–68 ¹⁾	liquid	Europe
C ₁₀ -alcohol polyethylene glycol ether (5 EO)	BIODAC 510	100	36–38 ²⁾	liquid	Europe
C ₁₀ -alcohol polyethylene glycol ether (6 EO)	SLOVASOL IS 10-6	100	61–64 ⁵⁾	liquid	Europe
C ₁₀ -alcohol polyethylene glycol ether (6.5 EO)	BIODAC 610	100	54–56 ²⁾	liquid	Europe
C ₁₀ -alcohol polyethylene glycol ether (7 EO)	BIODAC ES-712-10	100	40–42 ²⁾	liquid	Europe
C ₁₀ -alcohol polyethylene glycol ether (7.5 EO)	BIODAC 710	100	64–66 ²⁾	liquid	Europe
C ₁₀ -alcohol polyethylene glycol ether (8 EO)	SLOVASOL IS 10-8	100	56–59 ²⁾	liquid to paste	Europe
C ₁₀ -alcohol polyethylene glycol ether (8.5 EO)	BIODAC 810	100	79–81 ²⁾	liquid	Europe
C ₁₁ -alcohol polyethylene glycol ether (3 EO)	LIALET 111-3	100	52–53 ¹⁾	liquid	Europe
C ₁₁ -alcohol polyethylene glycol ether (5.5 EO)	LIALET 111-5.5	100	69–71 ¹⁾	liquid	Europe
C ₁₁ -alcohol polyethylene glycol ethers (7 EO)	LIALET 111-7	100	53–55 ²⁾	liquid	Europe
	LIALET-7 90%	90	53–55 ²⁾	liquid	Europe
C ₁₁ -alcohol polyethylene glycol ethers (8 EO)	LIALET 111-8	100	64–66 ²⁾	liquid	Europe
	LIALET-8 85%	85	64–66 ²⁾	liquid	Europe
C ₁₁ -alcohol polyethylene glycol ethers (10 EO)	LIALET 111-10	100	84–86 ²⁾	liquid	Europe, Asia
	LIALET 111-10 85%	85	84–86 ²⁾	liquid	Europe
C ₁₁ -alcohol polyethylene glycol ether (15 EO)	NONIDAC 11P15	100	70–72 ³⁾	solid	Europe
C ₁₁ -alcohol polyethylene glycol ethers (21 EO)	LIALET 111/210	100	73–77 ³⁾	solid	Asia
	LIALET 111-217	70	73–77 ³⁾	liquid	Asia
	NONIDAC 11P21 70%	70	—	liquid	Europe
C ₁₁ -alcohol polyethylene glycol ether (30 EO)	NONIDAC 11P30-70	70	—	liquid	Europe
C ₁₁ -C ₁₃ -alcohol polyethylene glycol ether (3 EO)	LIALET 113/30N	100	52–56 ¹⁾	liquid	Asia
C ₁₁ -C ₁₃ -alcohol polyethylene glycol ether (5 EO)	LIALET 113/50N	100	66–70 ¹⁾	liquid	Asia
C ₁₁ -C ₁₃ -alcohol polyethylene glycol ether (5.5 EO)	MARLIPAL 31/55	100	63–65 ¹⁾	liquid	Europe
C ₁₁ -C ₁₃ -alcohol polyethylene glycol ethers (6 EO)	MARLIPAL 31/60	100	68–69 ¹⁾	liquid	Europe
	MARLIPAL 31/685	85	68–69 ¹⁾	liquid	Europe
C ₁₁ -C ₁₃ -alcohol polyethylene glycol ether (7 EO)	LIALET 113/70N	100	51–55 ²⁾	liquid	Asia
C ₁₁ -C ₁₃ -alcohol polyethylene glycol ethers (9 EO)	MARLIPAL 31/90	100	54–56 ²⁾	liquid	Europe
	MARLIPAL 31/985	85	54–56 ²⁾	liquid	Europe
C ₁₁ -C ₁₃ -alcohol polyethylene glycol ethers (10 EO)	MARLIPAL 31/100	100	64–66 ²⁾	liquid	Europe
	MARLIPAL 31/1090	90	64–66 ²⁾	liquid	Europe
C ₁₂ -C ₁₃ -alcohol ethylene glycol ethers	LIALET 123-1	100	45–47 ⁷⁾	liquid	Europe
	NOVEL 23 E1	100	29 ¹⁾	liquid	USA
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ether (1.5 EO)	NOVEL 23 AE1.5	100	40 ¹⁾	liquid	USA

1) 10% in 25% BDG solution

2) 1% in deionized water

3) 1% in 10% NaCl solution

5) 17% in 25% BDG solution

7) 5% in 25% BDG solution

Chemical description	Product name	Active matter, %	Cloud point [°C]	Form supplied	Product made in
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ethers (2 EO)	ISALCHEM 23E30	100	48-51 ¹⁾	liquid	Europe
	LIALET 123-2	100	40-42 ¹⁾	liquid	Europe
	NOVEL 23 E2	100	54 ¹⁾	liquid	USA
	SAFOL 23 E2	100	48-51 ¹⁾	liquid	Europe, Asia
	SAFOL EN 20	100	—	liquid	Asia
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ethers (3 EO)	LIALET 123-3	100	52-54 ¹⁾	liquid	Europe
	NOVEL 23 E3	100	66 ¹⁾	liquid	USA
	SAFOL 23 E3	100	58-60 ¹⁾	liquid	USA, Asia, Europe
	SAFOL EN 30	100	57-61 ¹⁾	liquid	Asia
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ether (4 EO)	NOVEL 23 E4	100	72 ¹⁾	liquid	USA
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ethers (5 EO)	ISALCHEM 23E50	100	64-67 ¹⁾	liquid	Europe
	LIALET 123-5	100	66-68 ¹⁾	liquid	Europe
	LIALET 123-5-86	86	66-68 ¹⁾	liquid	Europe
	MARLOSOL TD 50	100	66-69 ¹⁾	liquid	Asia
	NOVEL 23 E5	100	77 ¹⁾	liquid	USA
	SAFOL 23 E5	100	70-72 ¹⁾	liquid	USA, Asia, Europe
	SAFOL EN 50	100	69-73 ¹⁾	liquid	Asia
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ethers (6 EO)	ISALCHEM 23E60	100	69-72 ¹⁾	liquid	Europe
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ethers (6.5 EO)	NOVEL 23 E6.5	100	50 ²⁾	liquid	USA
	SAFOL 23 E6.5	100	44-46 ²⁾	liquid	USA, Europe
	SAFOL 23 E6.5-90%	90	44-46 ²⁾	liquid	Europe
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ethers (7 EO)	ISALCHEM 23E70	100	72-75 ¹⁾	liquid	Europe
	LIALET 123-7	100	76-78 ¹⁾	liquid	Europe
	MARLOSOL TD 70	100	75-78 ¹⁾	liquid	Asia
	NOVEL 23 E7	100	60 ²⁾	liquid	USA
	SAFOL 23 E7	100	54-56 ²⁾	liquid	USA, Asia, Europe
	SAFOL 23 E7-90%	90	54-56 ²⁾	liquid	Europe
	SAFOL EN 70	100	51-55 ²⁾	liquid	Asia
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ether (8 EO)	ISALCHEM 23E80	100	76-78 ¹⁾	liquid	Europe
	LIALET 123-8	100	57-59 ²⁾	liquid	Europe
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ethers (9 EO)	COSMACOL N II 9	100	58-68 ¹⁾	liquid	Europe
	ISALCHEM 23E90	100	55-58 ¹⁾	paste	Europe
	MARLOSOL TD 90	100	68-71 ²⁾	liquid	Asia
	NOVEL 23 E9	100	83 ²⁾	liquid	USA
	SAFOL 23 E9	100	80 ²⁾	liquid, paste	USA, Asia, Europe
	SAFOL 23 E9-90%	90	79-82 ²⁾	liquid	Europe
	SAFOL EN 90	100	49-53 ³⁾	liquid, paste	Asia
	SAFOL EN 99	100	49-53 ³⁾	liquid	Asia

1) 10% in 25% BDG solution

2) 1% in deionized water

3) 1% in 10% NaCl solution

11) 1% in 5% NaCl solution

Branched/semi branched alcohol ethoxylates

Chemical description	Product name	Active matter, %	Cloud point [°C]	Form supplied	Product made in
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ether (9.5 EO)	LIALET 123-9.5	100	70-72 ²⁾	liquid, paste	Europe
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ether (10 EO)	LIALET 123-10	100	79-81 ²⁾	liquid, paste	Europe
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ethers (12 EO)	NOVEL 23 E12	100	68 ³⁾	liquid	USA
	SAFOL 23 E12	100	81.5 ³⁾	liquid	USA
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ether (20 EO)	LIALET 123-20	100	49-53 ⁴⁾	paste	Europe
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ethers (30 EO)	NOVEL 23 E30	100	—	solid	USA
	NOVEL 23 E3070	70	—	liquid	USA
	SAFOL EN 300	100	—	flakes	Asia
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ethers (40 EO)	NOVEL 23 E40	100	—	solid	USA
	NOVEL 23 E4070	70	—	liquid	USA
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ether (50 EO)	NOVEL 23 E50	100	—	solid	USA
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ether (100 EO)	NOVEL 23 E100	100	—	solid	USA
C ₁₂ -C ₁₅ -alcohol polyethylene glycol ethers (3 EO)	LIALET 125-3	100	53-55 ¹⁾	liquid	Europe
	SLOVASOL 253	100	52-55 ¹⁾	liquid	Europe
	AEO 3-25 AN	100	59 ¹⁾	liquid	Asia
C ₁₂ -C ₁₅ -alcohol polyethylene glycol ethers (5 EO)	LIALET 125-5	100	67-69 ¹⁾	liquid	Europe, Asia
	SLOVASOL 255	100	67-69 ¹⁾	liquid	Europe
C ₁₂ -C ₁₅ -alcohol polyethylene glycol ethers (7 EO)	LIALET 125-7	100	76-78 ¹⁾	liquid	Europe
	LIALET 125-7 90%	90	76-78 ¹⁾	liquid	Europe
	SLOVASOL 257	100	75-78 ¹⁾	liquid	Europe
	SLOVASOL 257/9	90	74-78 ¹⁾	liquid	Europe
C ₁₂ -C ₁₅ -alcohol polyethylene glycol ethers (8 EO)	LIALET 125-8	100	55-59 ²⁾	liquid	Europe
	LIALET 125-8 85%	85	55-59 ²⁾	liquid	Europe
	SLOVASOL 258	100	55-59 ²⁾	liquid	Europe
	SLOVASOL 258/9	90	55-59 ²⁾	liquid	Europe
C ₁₂ -C ₁₅ -alcohol polyethylene glycol ethers (9 EO)	AEO 9-25 AN	100	73-77 ²⁾	liquid, paste	Asia
	LIALET 125-9	100	60-62 ²⁾	paste	Europe
	LIALET 125-9 90%	90	60-62 ²⁾	liquid	Europe
C ₁₂ -C ₁₅ -alcohol polyethylene glycol ethers (10 EO)	LIALET 125-10	100	71-75 ²⁾	paste	Asia, Europe
	LIALET 125-10 90%	90	69-73 ²⁾	liquid	Europe
	SLOVASOL 2510	100	69-73 ²⁾	paste	Europe
	SLOVASOL 2510/9	90	69-73 ²⁾	liquid	Europe
C ₁₂ -C ₁₅ -alcohol polyethylene glycol ethers (20 EO)	SLOVASOL 2520	100	—	solid	Europe
	SLOVASOL 2520/2	25	70-76 ³⁾	liquid	Europe
C ₁₂ -C ₁₅ -alcohol polyethylene glycol ether mixture	SLOVASOL 255.13	82	84-88 ¹⁾	liquid	Europe
C ₁₂ -C ₁₆ -alcohol polyethylene glycol ether (2 EO)	SAFOL 236 E2	100	46 ¹⁾	liquid	USA
C ₁₆ -alcohol (3 EO)	MARLOWET G1628	100	16-19 ⁵⁾	liquid	Europe
C ₁₃ -alcohol polyethylene glycol ethers	MARLIPAL NE	100	52-55 ¹⁰⁾	liquid	Europe
	MARLIPAL NE 90%	90	52-55 ¹⁰⁾	liquid	Europe
C ₁₃ -alcohol polyethylene glycol ether (1.5 EO)	MARLOSOL TA 15	100	50-53 ⁷⁾	liquid	Asia
C ₁₃ -alcohol polyethylene glycol ether (2.5 EO)	MULTISO 13/25	100	43-47 ¹⁾	liquid	Asia

1) 10% in 25% BDG solution

2) 1% in deionized water

3) 1% in 10% NaCl solution

4) hydroxyl number in mg KOH/g

5) 17% in 25% BDG solution

7) 5% in 25% BDG solution

10) 2% in deionized water

Chemical description	Product name	Active matter, %	Cloud point [°C]	Form supplied	Product made in
C ₁₃ -alcohol polyethylene glycol ethers (3 EO)	ALFONIC TDA-3	100	43 ¹⁾	liquid	USA
	MARLIPAL O13/30	100	48–51 ¹⁾	liquid	Europe
	MARLOSOL TA 30	100	48–51 ¹⁾	liquid	Asia
	MARLOSOL TA 3030	100	48–51 ¹⁾	liquid	Europe
	MULTISO 13/30	100	48–51 ¹⁾	liquid	Asia
	NOVEL TDA-3	100	49 ¹⁾	liquid	USA
	SLOVASOL 133	100	44–49 ¹⁾	liquid	Europe
	TRIDAC ISO-3	100	50–52 ¹⁾	liquid	Europe
C ₁₃ -alcohol polyethylene glycol ether (3.1 EO)	ALFONIC TDA-3.1	100	43 ¹⁾	liquid	USA
C ₁₃ -alcohol polyethylene glycol ethers (4 EO)	MARLIPAL O13/40	100	58–61 ¹⁾	liquid	Europe
	MULTISO 13/40	100	58–61 ¹⁾	liquid	Asia
	NOVEL TDA-4	100	58 ¹⁾	liquid	USA
C ₁₃ -alcohol polyethylene glycol ethers (5 EO)	MARLIPAL O13/50	100	64–67 ¹⁾	liquid	Europe
	MARLOSOL TA 3050	100	64–67 ¹⁾	liquid	Europe
	MARLOSOL TA 50	100	64–66 ¹⁾	liquid	Asia
	MULTISO 13/50	100	64–66 ¹⁾	liquid	Asia
	NOVEL TDA-5	100	64 ¹⁾	liquid	USA
	SLOVASOL 135	100	61–65 ¹⁾	liquid	Europe
	TRIDAC ISO-5	100	64–66 ¹⁾	liquid	Europe
	TRIDAC ISO-5 D	100	64–66 ¹⁾	liquid	Europe
C ₁₃ -alcohol polyethylene glycol ethers (6 EO)	ALFONIC TDA-6	100	70 ¹⁾	liquid	USA
	MARLIPAL O13/60	100	69–72 ¹⁾	liquid	Europe
	MARLIPAL O13/69	90	69–72 ¹⁾	liquid	Europe
	MARLOSOL TA 60	100	69–71 ¹⁾	liquid	Asia
	MULTISO 13/60	100	69–71 ¹⁾	liquid	Asia
	NOVEL TDA-6	100	70 ¹⁾	liquid	USA
	SLOVASOL 136	100	67–71 ¹⁾	liquid	Europe
	TRIDAC ISO-6	100	72–74 ¹⁾	liquid	Europe
C ₁₃ -alcohol polyethylene glycol ethers (7 EO)	ALFONIC TDA-7	100	75 ¹⁾	liquid	USA
	MARLIPAL O13/70	100	72–75 ¹⁾	liquid	Europe
	MARLIPAL O13/79	90	72–75 ¹⁾	liquid	Europe
	MARLOSOL TA 3070	100	72–75 ¹⁾	liquid	Europe
	MARLOSOL TA 70	100	73–75 ¹⁾	liquid	Asia
	MULTISO 13/70	100	73–75 ¹⁾	liquid	Asia
	NOVEL TDA-7	100	74 ¹⁾	liquid	USA
	SLOVASOL 137	100	70–74 ¹⁾	liquid	Europe

1) 10% in 25% BDG solution

Branched/semi branched alcohol ethoxylates

Chemical description	Product name	Active matter, %	Cloud point [°C]	Form supplied	Product made in
C ₁₃ -alcohol polyethylene glycol ethers (8 EO)	ALFONIC TDA-8	100	77 ¹⁾	liquid	USA
	MARLIPAL O13/80	100	76–78 ¹⁾	liquid	Europe
	MARLIPAL O13/89	90	76–78 ¹⁾	liquid	Europe
	MARLOSOL TA 80	100	76–78 ¹⁾	liquid	Asia
	MARLOSOL TA 89	90	76–78 ¹⁾	liquid	Asia
	MULTISO 13/80	100	76–78 ¹⁾	liquid	Asia
	MULTISO 13/89	90	76–78 ¹⁾	liquid	Asia
	NOVEL TDA-8	100	78 ¹⁾	liquid	USA
	TRIDAC ISO-8	100	76–78 ¹⁾	liquid	Europe
	TRIDAC ISO-8 85%	85	76–78 ¹⁾	liquid	Europe
	TRIDAC ISO-8 90%	90	76–78 ¹⁾	liquid	Europe
C ₁₃ -alcohol polyethylene glycol ether (8.5 EO)	ALFONIC TDA-8.5	100	79 ¹⁾	liquid	USA
C ₁₃ -alcohol polyethylene glycol ethers (9 EO)	ALFONIC TDA-9	100	56 ²⁾	liquid, paste	USA
	MARLIPAL O13/90	100	56–59 ¹⁰⁾	liquid, paste	Europe
	MARLIPAL O13/99	90	56–59 ¹⁰⁾	liquid	Europe
	MARLOSOL TA 3090	100	56–59 ¹⁰⁾	liquid	Europe
	MARLOSOL TA 90	100	—	liquid	Asia
	MULTISO 13/90	100	57–59 ²⁾	liquid, paste	Asia
	MULTISO 13/99	90	57–59 ²⁾	liquid	Asia
	NOVEL TDA-9	100	58 ²⁾	liquid paste,	USA
	TRIDAC ISO-9 H	100	58–60 ²⁾	liquid	Europe
	TRIDAC ISO-9 H 90%	90	58–60 ²⁾	liquid	Europe
	TRIDAC ISO-9 H 85%	85	58–60 ²⁾	liquid	Europe
	SLOVASOL 139	100	57–61 ²⁾	liquid	Europe
	C ₁₃ -alcohol polyethylene glycol ether (9.5 EO)	MULTISO 13/108	82	68–72 ²⁾	liquid
C ₁₃ -alcohol polyethylene glycol ethers (10 EO)	MARLIPAL O13/100	100	74–77 ¹⁰⁾	liquid, paste	Europe
	MARLIPAL O13/109	90	74–77 ¹⁰⁾	liquid	Europe
	ALFONIC TDA-10	100	64 ²⁾	solid	USA
	NOVEL TDA-10	100	71 ²⁾	liquid	USA
	MULTISO 13/100	100	74–77 ²⁾	liquid, paste	Asia
	MULTISO 13/109	90	74–77 ²⁾	liquid	Asia
C ₁₃ -alcohol polyethylene glycol ether (11 EO)	MULTISO 13/110	100	78–82 ²⁾	paste	Asia
C ₁₃ -alcohol polyethylene glycol ethers (12 EO)	MARLIPAL O13/120	100	54–57 ⁶⁾	in drums: paste in bulk: liquid	Europe
	MARLIPAL O13/129	90	54–57 ⁶⁾	liquid	Europe
	MULTISO 13/120	100	54–57 ³⁾	paste	Asia
	MULTISO 13/128	85	54–57 ³⁾	liquid	Asia
	NOVEL TDA-12	100	85 ²⁾	liquid	USA
	TRIDAC ISO-12	100	54–57 ³⁾	liquid, paste	Europe
	TRIDAC ISO-12 90%	90	54–57 ³⁾	liquid	Europe
C ₁₃ -alcohol polyethylene glycol ethers (13 EO)	ALFONIC TDA-13	100	57 ³⁾	solid	USA
	MARLIPAL O13/130	100	74–76 ¹¹⁾	paste	Europe
	MULTISO 13/130	100	73–76 ¹¹⁾	paste	Asia

1) 10% in 25% BDG solution

2) 1% in deionized water

3) 1% in 10% NaCl solution

6) 2% in 10% NaCl solution

10) 2% in deionized water

11) 1% in 5% NaCl solution

Chemical description	Product name	Active matter, %	Cloud point [°C]	Form supplied	Product made in
C ₁₃ -alcohol polyethylene glycol ethers (20 EO)	MARLIPAL O13/208	80	72–75 ⁶⁾	liquid	Europe
	MULTISO 13/200	100	71–74 ³⁾	solid	Asia
	MULTISO 13/208	80	71–74 ³⁾	liquid	Asia
	TRIDAC ISO-20	100	—	solid	Europe
	NOVEL TDA-20	100	73 ³⁾	solid	USA
C ₁₃ -alcohol polyethylene glycol ethers (30 EO)	MARLIPAL O13/307	70	33–39 ⁴⁾	liquid	Europe
	MARLOSOL TA 300-70	70	75–78 ³⁾	liquid	Asia
	MULTISO 13/300	100	74–78 ³⁾	solid	Asia
	NOVEL TDA-30	100	76 ³⁾	solid	USA
	NOVEL TDA-3070	70	72 ³⁾	liquid	
C ₁₃ -alcohol polyethylene glycol ethers (40 EO)	MARLOSOL TA 400	100	—	flakes	Asia
	NOVEL TDA-40	100	—	solid	USA
	NOVEL TDA-4070	70	—	liquid	USA
	TRIDAC ISO-40 70%	70	27–31 ⁴⁾	liquid	Europe
C ₁₃ -alcohol polyethylene glycol ether (50 EO)	NOVEL TDA-50	100	—	solid	USA
C ₁₃ -alcohol polyethylene glycol ether (100 EO)	NOVEL TDA-100	100	—	solid	USA
C ₁₃ -alcohol polyethylene glycol ethers (150 EO)	NOVEL TDA-150	100	—	solid	USA
C ₁₃ -alcohol polyethylene glycol ether compound	NOVEL TDA-96CG	100	28 ²⁾	liquid	USA
C ₁₃ -alcohol polyethylene glycol ether mixtures	MARLIPAL O13/930	100	70–72 ¹⁾	liquid	Europe
	MARLIPAL O13/939	90	70–72 ¹⁾	liquid	Europe
C ₁₃ –C ₁₅ -alcohol polyethylene glycol ethers (6 EO)	SLOVASOL 356	100	69–72 ¹⁾	liquid	Europe
C ₁₄ –C ₁₅ -alcohol polyethylene glycol ether (4 EO)	LIALET 145-4	100	62–64 ¹⁾	liquid	Europe
	SLOVASOL 454	100	60–64 ¹⁾	liquid	Europe
C ₁₄ –C ₁₅ -alcohol polyethylene glycol ether (5 EO)	SLOVASOL 455	100	61–63 ¹⁾	liquid	Europe
C ₁₄ –C ₁₅ -alcohol polyethylene glycol ether (7 EO)	SLOVASOL 457	100	73–77 ¹⁾	paste	Europe
	SLOVASOL 457/9	90	73–77 ¹⁾	liquid	Europe
C ₁₄ –C ₁₅ -alcohol polyethylene glycol ethers (8 EO)	LIALET 145-8	100	78–80 ¹⁾	paste	Europe
	SLOVASOL 458	100	77–81 ¹⁾	paste	Europe
	SLOVASOL 458/9	90	76–80 ¹⁾	liquid	Europe
C ₁₄ –C ₁₅ -alcohol polyethylene glycol ether (9 EO)	LIALET 145-9	100	60–62 ²⁾	paste	Europe
	SLOVASOL 459	100	60–62 ²⁾	fluid-paste	Europe

1) 10% in 25% BDG solution

2) 1% in deionized water

3) 1% in 10% NaCl solution

4) hydroxyl number in mg KOH/g

6) 2% in 10% NaCl solution

Alcohol-ethylene oxide-propylene oxide-addition products

Chemical description	Product name	Active matter, %	Cloud point [°C]	Form supplied	Product made in
C ₆ -alcohol polyalkylene glycol ethers	DIONIL RT 23	100	61–64 ¹⁾	liquid	Europe
	DIONIL TR 31	100	58–61 ¹⁾	liquid	Europe
C ₁₀ -alcohol polyalkylene glycol ether	MARLOX K 158	100	36–39 ¹⁾	liquid	Europe, Asia
C ₁₀ –C ₁₂ -alcohol polyalkylene glycol ethers	MARLOX FK 57	100	32–36 ²⁾	liquid	Europe
	MARLOX FK 64	100	54–56 ¹⁾	liquid	Europe, Asia
	MARLOX FK 69	100	42–44 ¹⁰⁾	liquid	Europe
	MARLOX FK 86	100	21–23 ¹⁰⁾	liquid	Europe, Asia
C ₁₁ -alcohol polyalkylene glycol ethers	BIODAC 2-32	100	34–36 ²⁾	liquid	Europe
	MARLOX 11009	100	9–11 ²⁾	liquid	Europe
	MARLOX 11027	100	26–28 ²⁾	liquid	Europe
	MARLOX OP-1	100	36–38 ²⁾	liquid	Europe
C ₁₁ -alcohol polyalkylene glycol ethers	MARLOX 40	100	60–62 ¹⁾	liquid	Europe
	MARLOX 50	100	38–44 ²⁾	liquid	Europe
	MARLOX 80	100	54–56 ²⁾	liquid	Europe
C ₁₂ -alcohol polyalkylene glycol ethers	MARLOWET L 409	90	52–55 ¹⁾	liquid	Europe
	MARLOWET L 509	90	59–62 ¹⁾	liquid	Europe
	MARLOWET L 609	90	63–66 ¹⁾	liquid	Europe
	MARLOWET L 709	90	69–72 ¹⁾	liquid	Europe
	MARLOWET L 809	90	72–75 ¹⁾	liquid	Europe
	MARLOWET L 909	90	73–77 ¹⁾	liquid	Europe
	MARLOWET L 1009	90	63–67 ¹⁰⁾	liquid	Europe
C ₁₂ –C ₁₃ -alcohol polyalkylene glycol ethers	MARLOX SF 36	100	33–36 ¹⁾	liquid	Asia
	MARLOX SF 56	100	39–42 ¹⁾	liquid	Asia
C ₁₂ –C ₁₄ -alcohol polyalkylene glycol ethers	MARLOX MO 124	100	38–40 ¹⁾	liquid	Europe
	MARLOX MO 154	100	40–43 ⁵⁾	liquid	Europe
	MARLOX MO 154 RSPO-MB	100	40–43 ⁵⁾	liquid	Europe
C ₁₂ –C ₁₄ -alcohol polypropylene glycol ether	MARLOWET CPO	100	44–50 ⁷⁾	liquid	Europe
C ₁₂ –C ₁₅ -alcohol polyalkylene glycol ethers	BIODAC 25059	100	26–32 ⁴⁾	liquid	Europe
	MARLOX LF 1123	100	39–41 ¹³⁾	liquid	Europe
	MARLOX LF 8530	100	39–42 ¹⁾	liquid	Europe
	MARLOX LF 9353	100	34–37 ¹⁾	liquid	Europe
	MARLOX LF 9486	100	49–53 ¹⁾	liquid	Europe
	NOVANIK 0633 A	100	45–51 ¹⁾	liquid	Europe
	NOVANIK 1018 A	100	34–40 ⁷⁾	liquid	Europe
	NOVANIK 1047 A	100	46–52 ¹⁾	liquid	Europe
C ₁₃ -alcohol polyalkylene glycol ethers	MARLOWET CPN	100	44–50 ⁷⁾	liquid	Europe
	MARLOX N 92	100	42–46 ¹⁰⁾	liquid	Europe
	MARLOX TD 510	100	60–64 ¹⁾	liquid	Asia

1) 10% in 25% BDG solution

2) 1% in deionized water

4) hydroxyl number in mg KOH/g

5) 17% in 25% BDG solution

7) 5% in 25% BDG solution

10) 2% in deionized water

13) 20g + 100g BDG at 25%

Alcohol-ethylene oxide-propylene oxide-addition products

Chemical description	Product name	Active matter, %	Cloud point [°C]	Form supplied	Product made in
C ₁₆ -C ₁₈ -alcohol polyalkylene glycol ethers	EMULDAC 251 PE	100	21-26 ¹⁾	liquid	Europe, USA
	MARLOX RT 42	100	51-53 ¹⁾	liquid	Europe, Asia
	MARLOX RT 45	100	67-70 ¹⁾	liquid	Europe
	MARLOX RT 64	100	60-62 ¹⁾	liquid	Europe, Asia
	MARLOX RT 88	100	60-62 ¹⁾	liquid	Europe, Asia
C ₁₈ -alcohol polyalkylene glycol ether	MARLOWET 5001	100	ca. 61 ¹⁾	liquid	Europe
Alcohol polyalkylene glycol ether	MARLOWET 5056	100	69-72 ¹⁾	liquid	Europe

Block ethylene oxide-propylene oxide-addition products

Chemical description	Product name	Active matter, %	Cloud point [°C]	Form supplied	Product made in
Block ethylene oxide-propylene oxide copolymers	NOVANIK 1010	100	53-59 ¹⁾	liquid	Europe
	PLURODAC 44	100	65 ²⁾	liquid	Europe
	PLURODAC 61	100	23 ²⁾	liquid	Europe, USA
	PLURODAC 62	100	25-28 ²⁾	liquid	Europe, USA
	PLURODAC 64	100	59-60 ¹²⁾	liquid	Europe
	PLURODAC 81	100	17 ¹⁾	liquid	Europe, USA
	PLURODAC 101	100	13-17 ²⁾	liquid	USA
	PLURODAC 105	100	89.5-95 ²⁾	liquid	USA
	PLURODAC F68	100	—	solid	Europe

Glycerol derivatives

Chemical description	Product name	Active matter, %	Form supplied	Product made in
Glycerol ethoxylates	GLICERODAC/2	100	liquid	Europe
	GLICERODAC/7.5	100	liquid	Europe
	GLICERODAC	100	liquid	Europe
	GLICERODAC/15	100	liquid	Europe
	GLICERODAC/20	100	liquid	Europe
	GLICERODAC/40	100	solid	Europe
Glycerol polyalkylene glycol ether	GLICERODAC PO-70	100	liquid	Europe

1) 10% in 25% BDG solution

2) 1% in deionized water

12) 10% in deionized water

2. Surfactants, anionic

Alkylbenzene sulphonic acids

Chemical description	Product name	Active matter, %	Form supplied	Product made in
n-C ₁₀ -C ₁₃ -alkylbenzene sulphonic acids	MARLON AS 3	97	liquid	Europe
	MARLON AS 3H	96	liquid	Europe
	SOLFODAC AC-3-I	97	liquid	Europe
	SOLFODAC AC-3-H	97	liquid	Europe

Alkylbenzene sulphonates

Chemical description	Product name	Active matter, %	Form supplied	Product made in
n-C ₁₀ -C ₁₃ -alkylbenzene sulphonate, Na salts	MARLON A 315	15	liquid	Europe
	ANIODAC DSN25	25	liquid	Europe
	MARLON A 330	30	liquid, paste	Europe
	MARLON A 350	50	liquid, paste	Europe
	SOLFODAC DBL-60	56	liquid, paste	Europe
	MARLON A 360	60	liquid, paste	Europe
	MARLON A 365	65	liquid, paste	Europe
	MARLON A 375	75	paste	Europe
	MARLON ARL	80	powder	Europe
n-C ₁₀ -C ₁₃ -alkylbenzene sulphonate, MIPA salt	MARLON AMI 80	77	liquid	Europe
n-C ₁₀ -C ₁₃ -alkylbenzene sulphonate, TEA salt	MARLOPON AT 50	50	liquid	Europe

Alcohol ether sulphates

Chemical description	Product name	Active matter, %	Form supplied	Product made in
Linear/branched C ₁₁ -alcohol ether sulphate, Na salt	ANIODAC 11P7-27	27	liquid	Europe
C ₁₂ -C ₁₃ -alcohol ethylene glycol ether sulphate, Na salts	DACLOR 27-1-23	27	liquid	Europe
	DACLOR 70-1-23	70	paste	Europe
Linear/branched C ₁₂ -C ₁₃ -alcohol ether (2 EO) sulphate, Na salt	SAFOL 23 E2S	70	paste	Asia
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ether (3 EO) sulphate, Na salts	DACLOR 27-3-23	27	liquid	Europe
	DACLOR 70-3-23	70	paste	Europe
C ₁₂ -C ₁₃ -alcohol polyethylene glycol ether (20 EO) sulphate, Na salt	DACLOR 27-20-23	27	liquid	Europe
Linear C ₁₂ -C ₁₄ -alcohol polyethylene glycol ether sulphate, ammonium salt	AELS-70	70	paste	Asia
Linear C ₁₂ -C ₁₄ -alcohol polyethylene glycol ether (2 EO) sulphate, Na salts	COSMACOL AES 27-2-24	27	liquid	Europe
	COSMACOL AES 70-2-24	70	paste	Europe
	COSMACOL AES 70-2-24 RSPO	70	paste	Europe
	MARLINAT 242/28	28	liquid	Europe
	MARLINAT 242/28 RSPO-MB	28	liquid	Europe
	MARLINAT 242/28 UK	28	liquid	Europe
	MARLINAT 242/28 UK RSPO-MB	28	liquid	Europe
	MARLINAT 242/70	70	paste	Europe
	MARLINAT 242/70 RSPO ISCC+	70	paste	Europe
	MARLINAT 242/70 RSPO-MB	70	paste	Europe
	MARLINAT 242/70 B	70	paste	Europe
	MARLINAT 242/70 C	70	paste	Europe
	MARLINAT 242/70 C RSPO-MB	70	paste	Europe
	MARLINAT 242/70 C5	70	paste	Europe
MARLINAT 242/70 C5 RSPO-MB	70	paste	Europe	
Linear C ₁₂ -C ₁₄ -alcohol polyethylene glycol ether (2 EO) sulphate, monoisopropanolammonium salts	AES 2-27 ZN	27	liquid	Asia
	AES 270N-II	70	paste	Asia
	AES 270ZN	70	paste	Asia
	MARLINAT 242/90 M	90	liquid	Europe
	MARLINAT 242/90 M RSPO-MB	90	liquid	Europe
	MARLINAT 242/90 MC	90	liquid	Europe
	MARLINAT 242/90 MC 5	90	liquid	Europe
	MARLINAT 242/90 MC RSPO-MB	90	liquid	Europe
Linear C ₁₂ -C ₁₄ -alcohol polyethylene glycol ether (3 EO) sulphate, ammonium salts	AAES 370ZN	70	paste	Asia
	AAES 370N-II	70	paste	Asia
Linear C ₁₂ -C ₁₄ -alcohol polyethylene glycol ether (3 EO) sulphate, Na salts	COSMACOL AES 27-3-24	27	liquid	Europe
	COSMACOL AES 70-3-24	70	paste	Europe
	MARLINAT 243/70	70	paste	Europe
C ₁₂ -C ₁₅ -alcohol polyethylene glycol ether (2 EO) sulphate, ammonium salt	AES 270N-II	70	paste	Asia
Branched C ₁₃ -alcohol ether sulphate, Na salt	ANIODAC 13P20-27	27	liquid	Europe

Alcohol sulphates

Chemical description	Product name	Active matter, %	Form supplied	Product made in
C ₁₂ -C ₁₃ -alcohol sulphate, Na salts	DACPON 27-23	27	liquid	Europe
	SAFOL 23 S 70	70	paste	Asia
C ₁₂ -C ₁₃ -alcohol sulphate, ammonium salt	SAFOL 23 A 70	70	paste	Asia
C ₁₂ -C ₁₄ -alcohol sulphate, ammonium salt	ALS-70	70	paste	Asia

Alcohol ether carboxylic acids

Chemical description	Product name	Active matter, %	Form supplied	Product made in
C ₈ -alcohol polyethylene glycol ether carboxylic acid	MARLOWET 4564	90	liquid	Europe
	MARLOWET 4588	90	liquid	Europe
C ₉ -alcohol polyethylene glycol ether carboxylic acids (LF = low foaming grade)	MARLOWET 4539	90	liquid	Europe
	MARLOWET 4539 LF	90	liquid	Europe
C ₁₂ -C ₁₄ -alcohol polyethylene glycol ether carboxylic acids	MARLOWET 1072	90	liquid	Europe
	MARLOWET 4541	90	liquid	Europe
C ₁₃ -alcohol polyethylene glycol ether carboxylic acid	MARLOWET 4538	90	liquid	Europe
	MARLOWET 4570LF	90	liquid	Europe
C ₁₆ -C ₁₈ -alcohol polyalkylene glycol ether carboxylic acids	MARLOWET 4560	90	paste	Europe
	MARLOWET 4561	90	paste	Europe
	MARLOWET 4565	90	liquid	Europe
	MARLOWET 4569	90	liquid	Europe

3. Fatty acid esters and amides

Fatty acid esters, ethoxylated

Chemical description	Product name	Form supplied	Product made in
C ₁₂ -fatty acid polyethylene glycol ester (7 EO)	LAURILDAC 7	liquid	Asia
C ₁₂ -fatty acid polyethylene glycol ester (9 EO)	FCE 9-L98	liquid	Europe
Coco fatty acid polyethylene glycol ester (10 EO)	LAURILDAC AGC-10	liquid	Europe
Oleic acid polyethylene glycol ester (3 EO)	SLOVACID O 3	liquid	Europe
Oleic acid polyethylene glycol ester (6 EO)	SLOVACID O 6	liquid	Europe
Oleic acid polyethylene glycol esters (7 EO)	MARLOSOL OL 7	liquid	Europe
	MARLOWET OTS	liquid	Europe
Oleic acid polyethylene glycol ester (9 EO)	SLOVACID O 9	liquid	Europe
Oleic acid polyethylene glycol esters (20 EO)	SLOVACID O 20	liquid, paste	Europe
	SLOVACID O 20/70	liquid	Europe
PEG 400 dioleate	MARLOWET 4702	liquid	Europe
PEG 600 dioleate	MARLOSOL FS	liquid	Europe
Mixture of fatty acid and PEG-ester	MARLOWET 4750 M	liquid	Europe
Sorbitol mono-oleate polyethylene glycol ether (20 EO)	DACOL MOS-20	liquid	Europe

Castor oil ethoxylates

Chemical description	Product name	Form supplied	Product made in
Castor oil, ethoxylated (7 EO)	EMULGANTE EL-7	liquid	Europe
Castor oil, ethoxylated (11 EO)	MARLOWET R 11	liquid	Europe
Castor oil, ethoxylated (23 EO)	EMULGANTE EL-18	liquid	Europe
Castor oil, ethoxylated (30 EO)	EMULGANTE EL-30	liquid	Europe
Castor oil, ethoxylated (36 EO)	NOVEL EL-36	solid	USA
Castor oil, ethoxylated (38 EO)	EMULGANTE EL-65	liquid, paste	Europe
Castor oil, ethoxylated (40 EO)	MARLOWET R 40	liquid	Europe
	NOVEL EL 40	solid	USA
Castor oil, ethoxylated (50 EO)	EMULGANTE EL	liquid, paste	Europe
Castor oil, ethoxylated (200 EO)	EMULGANTE ELC-200	solid	Europe
Esters of ethoxylated castor oil	MARLOWET LVS	liquid	Europe
	MARLOWET CG	liquid	Europe
	MARLOWET CG RSPO-MB	liquid	Europe
	MARLOWET RVS	liquid	Europe

4. Alkylamine alkoxyates

Alkylamine ethoxyates

Chemical description	Product name	Active matter, %	Form supplied	Product made in
Lauryl amine polyethylene glycol ether (10 EO)	MARLAZIN L 10	100	liquid	Europe
Tallow amine polyethylene glycol ether (7 EO)	MARLAZIN T 7/2	100	liquid	Europe
Tallow amine polyethylene glycol ether (50 EO)	MARLAZIN T 50/45	45	liquid	Europe
Tallow amine polyethylene glycol ether (15 EO)	DIAMMIN S-15	100	liquid	Europe
Tallow amine polyethylene glycol ether (25 EO)	DIAMMIN S-25	100	solid	Europe
Oleyl amine polyethylene glycol ether (20 EO)	MARLAZIN OL 20	100	liquid	Europe

Alkylamine ethoxyates propoxyates

Chemical description	Product name	Active matter, %	Form supplied	Product made in
Oleyl fatty amine ethoxyate and propoxyates	DIAMMIN KLG-11154	100	liquid	Europe
	DIAMMIN KLG-11154 70%	70	liquid	Europe

5. Hydrotropics

Cumene sulphonates

Chemical description	Product name	Active matter, %	Form supplied	Product made in
Potassium sodium cumene sulphonate	KNa cumene sulphonate 40	40	liquid	Europe
Sodium cumene sulphonate	Sodium cumene sulphonate 40	40	liquid	Europe

6. Polyethylene glycols

PEG grades

Chemical description	Product name	Active matter, %	Form supplied	Product made in
PEG-4	LIPOXOL 200	100	liquid	Europe, USA
PEG-6	LIPOXOL 300	100	liquid	Europe, USA
	LIPOXOL 300 MED	100	liquid	Europe
PEG-8	LIPOXOL 400	100	liquid	Europe, USA
	LIPOXOL 400 MED	100	liquid	Europe
PEG-12	LIPOXOL 600	100	liquid, solid	Europe, USA
	LIPOXOL 600 MED	100	liquid, solid	Europe
PEG-20	LIPOXOL 1000	100	solid	Europe
	LIPOXOL 1000 MED	100	solid	Europe
PEG-32	LIPOXOL 1500	100	flakes	Europe
	LIPOXOL 1500 MED	100	flakes	Europe
PEG-60	LIPOXOL 3000	100	flakes	Europe
	LIPOXOL 3000 MED	100	flakes or powder	Europe
PEG-75	LIPOXOL 3350	100	flakes	Europe
	LIPOXOL 3350 MED	100	flakes or powder	Europe
PEG-90	LIPOXOL 4000	100	flakes or powder	Europe
	LIPOXOL 4000 MED	100	flakes or powder	Europe
PEG-135	LIPOXOL 6000	100	flakes or powder	Europe
	LIPOXOL 6000 MED	100	flakes or powder	Europe
PEG-180	LIPOXOL 8000	100	flakes	Europe
	LIPOXOL 8000 MED	100	flakes	Europe

Methoxy PEG grades

Chemical description	Product name	Active matter, %	Form supplied	Product made in
PEG-6 methylether	NONIDAC M-350	100	liquid	Europe
PEG-10 methylether	NONIDAC M-550	100	liquid, paste	Europe
PEG-16 methylether	NONIDAC M-750	100	paste	Europe
PEG-20 methylether	NONIDAC M-1000	100	solid	Europe
PEG-40 methylether	NONIDAC M-2000	100	solid	Europe
PEG-68 methylether	NONIDAC M-3000	100	solid	Europe
PEG-112 methylether	NONIDAC M-5000	100	solid	Europe

7. Special compounds

PEG grades

Chemical description	Product name	Active matter, %	Form supplied	Product made in
Blend based on n-C ₁₀ -C ₁₃ -alkylbenzene sulphonate, Na salt, C ₁₂ -C ₁₄ -alcohol ether sulphate, Na salt and C ₁₂ -C ₁₄ -alcohol polyethylene glycol ether	MARLON AFC 50	50	liquid, paste	Europe
Blend based on alcohol C ₁₀ -C ₁₅ polyalkylene glycol ether, fatty amine polyalkylene glycol ether and coco fatty acid	NONIDAC AC 2	100	liquid	Europe
Blend of n-C ₁₀ -C ₁₃ -alkylbenzene sulphonate, alkyl polyethylene glycol ether and fatty acid polyethylene glycol ether	MARLOWET OFA	100	liquid	Europe
Blend based on a nonionic surfactant and TEA soap	MARLOX M 606	95	liquid	Europe
Blend based on anionic surfactants	SOLFODAC 1545	60	paste	Europe
Blend based on anionic surfactants	SOLFODAC 1834	60	paste	Europe
Blend based on anionic and nonionic surfactants	TENSIODAC HDL-60 C	60	paste	Europe



Source reference

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