

FIG. 1

	M1	M2	M3	M4	M5	M6	M7	M8
	Comp. Ex. 1	Example 1	Example 2	Example 3	Example 4	Example 5	Example 6	Comp. Ex. 2
Behenic acid (K)	0.84%	0.84%	—	—	—	—	2.58%	—
Stearic acid (K)	0.84%	0.84%	2.51%	—	—	—	—	—
Palmitic acid (K)	0.84%	0.84%	—	—	—	2.47%	—	—
Myristic acid (K)	—	—	—	—	2.41%	—	—	—
Lauric acid (K)	—	—	—	2.35%	—	—	—	—
Oleic acid (K)	—	—	—	—	—	—	—	2.51%
48%KOH	1.02%	1.02%	1.03%	1.38%	1.23%	1.13%	0.90%	1.04%
Behenic acid	—	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
Stearic acid	7.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
Palmitic acid	—	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
A: Fatty acid alkali salt + Fatty acid								
10.5%								
Fatty acid alkali salt / A								
29%								
Fatty acid composition	(33:33:33)							
Viscosity [mPa·s]	(0:100:0)	70,000	98,500	57,000	79,500	94,500	59,500	31,000
Appearance	○	◎	◎	○	○	○	◎	◎
Spreadability	◎	◎	○	◎	◎	○	○	◎
No white residue	◎	◎	◎	○	◎	○	○	○
Feeling of being thickly coated	○	○	○	○	○	○	◎	○
Moist feeling	○	◎	◎	○	○	◎	◎	◎
Period until water separation occurred	During pressurizing	167 days	180 days	68 days	358 days*	156 days*	17 days	During pressurizing
Emulsification stability	x	☆	☆	☆	☆	☆	◎	x

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FIG.2

	P1	P2	P3	P4	P5	P6	P7	P8	P9
	Comp. Ex. 3	Comp. Ex. 4	Comp. Ex. 5	Example 7	Comp. Ex. 6	Example 8	Example 9	Example 10	Example 11
Palmitic acid (K)	2.18%	2.18%	2.18%	2.18%	2.18%	2.18%	2.18%	2.18%	2.18%
48%KOH	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%
Behenic acid	5.28%	0.66%	0.66%	2.97%	0.66%	2.97%	2.20%	3.74%	1.43%
Stearic acid	0.66%	5.28%	5.28%	2.97%	2.97%	0.66%	2.20%	1.43%	3.74%
Palmitic acid	0.66%	0.66%	0.66%	0.66%	2.97%	2.97%	2.20%	1.43%	1.43%
A: Fatty acid alkali salt + Fatty acid	9.3%								
Fatty acid alkali salt / A	29%								
Fatty acid composition	(80:10:10)	(10:80:10)	(10:10:80)	(45:45:10)	(10:45:45)	(45:10:45)	(33:33:33)	(56:22:22)	(22:56:22)
Viscosity [mPa·s]	56,500	85,000	61,000	66,000	95,500	89,000	71,000	62,000	62,000
Appearance	◎	○	○	◎	○	◎	◎	◎	◎
Spreadability	◎	◎	◎	○	◎	○	◎	◎	◎
No white residue	◎	◎	◎	◎	◎	◎	◎	○	◎
Feeling of being thickly coated	○	◎	○	◎	◎	◎	◎	◎	◎
Moist feeling	○	○	○	○	○	○	○	◎	○
Period until water separation occurred	During pressurizing	1 day	3 days	103 days*	3 days	17 days	117 days*	62 days	20 days
Emulsification stability	×	△	△	☆	△	◎	☆	☆	◎

※Continuing

FIG. 3

	P10	P11	P12	P13	P14	P15	P16	P17	P18
	Example 12	Example 13	Comp. Ex. 7	Comp. Ex. 8	Example 14	Example 15	Example 16	Example 17	Comp. Ex. 9
Palmitic acid (K)	2.18%	2.18%	2.18%	2.18%	2.18%	2.18%	2.18%	2.18%	2.18%
48%KOH	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%	0.99%
Behenic acid	1.43%	1.32%	4.62%	4.62%	1.32%	3.96%	1.32%	3.30%	3.30%
Stearic acid	1.43%	4.62%	1.32%	0.66%	0.66%	1.98%	5.28%	3.30%	—
Palmitic acid	3.74%	0.66%	0.66%	1.32%	4.62%	0.66%	—	—	3.30%
A: Fatty acid alkali salt + Fatty acid	9.3%								
Fatty acid alkali salt / A	29%								
Fatty acid composition	(22:22:56)	(20:70:10)	(70:20:10)	(70:10:20)	(20:10:70)	(60:30:10)	(20:80:0)	(50:50:0)	(50:0:50)
Viscosity [mPa·s]	98,500	83,000	41,500	73,000	94,500	60,000	57,000	61,000	59,500
Appearance	◎	○	◎	◎	○	○	◎	◎	△
Spreadability	○	◎	◎	◎	◎	◎	◎	◎	◎
No white residue	◎	◎	◎	◎	◎	◎	○	○	◎
Feeling of being thickly coated	○	◎	◎	◎	◎	◎	◎	◎	◎
Moist feeling	◎	○	○	○	○	○	△	○	○
Period until water separation occurred	120 days ^{**}	77 days ^{**}	During pressurizing	During pressurizing	70 days ^{**}	62 days	62 days ^{**}	62 days ^{**}	During pressurizing
Emulsification stability	☆	☆	x	x	☆	☆	☆	☆	x

※Continuing

FIG. 4

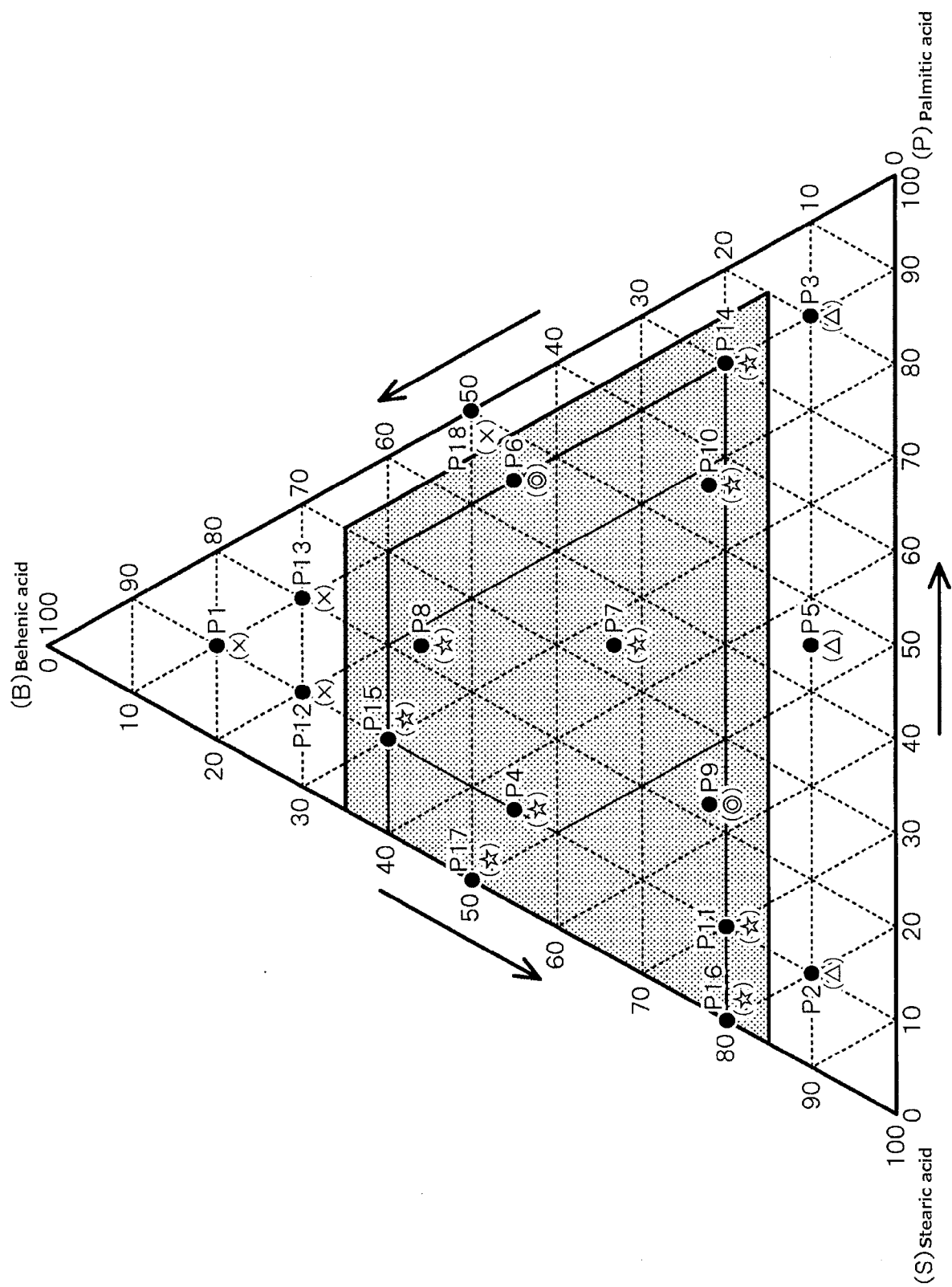


FIG. 5

	T1	T2	T3	T4	T5	T6
	Comp. Ex. 10	Example 18	Example 19	Example 20	Example 21	Comp. Ex. 11
Stearic acid (K)	0.5%	1.0%	2.0%	2.2%	2.5%	3.0%
48%KOH	0.21%	0.41%	0.83%	0.91%	1.03%	1.24%
Behenic acid	0.5%	1.0%	2.0%	2.2%	2.5%	3.0%
Stearic acid	0.5%	1.0%	2.0%	2.2%	2.5%	3.0%
Palmitic acid	0.5%	1.0%	2.0%	2.2%	2.5%	3.0%
A:Fatty acid alkali salt + Fatty acid	2.1%	4.2%	8.4%	9.2%	10.5%	12.6%
Fatty acid alkali salt / A	29%					
Fatty acid composition	(33:33:33)					
Viscosity [mPa·s]	200	1,000	49,000	72,500	95,000	>600,000
Appearance	—	△	⊙	⊙	⊙	—
Spreadability	—	⊙	⊙	⊙	○	—
No white residue	—	⊙	○	○	△	—
Feeling in use						
Feeling of being thickly coated	—	⊙	⊙	⊙	○	—
Moist feeling	—	○	⊙	⊙	⊙	—
Period until water separation occurred	1 day	4 days	45 days	96 days	196 days*	188 days*
Emulsification stability	△	○	☆	☆	☆	☆

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FIG. 6

	S1	S2	S3	S4	S5	S6
	Comp. Ex. 12	Example 22	Example 20	Example 23	Example 24	Comp. Ex. 13
Stearic acid (K)	1.3%	1.6%	2.2%	2.8%	3.4%	4.0%
48%KOH	0.53%	0.66%	0.91%	1.15%	1.40%	1.64%
Behenic acid	2.5%	2.4%	2.2%	2.0%	1.8%	1.6%
Stearic acid	2.5%	2.4%	2.2%	2.0%	1.8%	1.6%
Palmitic acid	2.5%	2.4%	2.2%	2.0%	1.8%	1.6%
A:Fatty acid alkali salt + Fatty acid	9.1%	9.1%	9.2%	9.4%	9.5%	9.6%
Fatty acid alkali salt / A	17%	21%	29%	36%	43%	50%
Fatty acid composition	(33:33:33)					
Viscosity [mPa·s]	33,500	44,500	72,500	62,000	22,000	32,500
Appearance	○	○	◎	○	△	×
Spreadability	◎	◎	◎	◎	◎	◎
No white residue	◎	◎	○	○	◎	◎
Feeling of being thickly coated	◎	◎	◎	◎	◎	◎
Moist feeling	○	○	◎	○	○	○
Period until water separation occurred	3 days	19 days	96 days	78 days	4 days	1 day
Emulsification stability	△	◎	☆	☆	○	△