

## Classic oils for watchmaking and micromechanics.

### Moebius 8000



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.8000-004	4x 1 ml	-15...+80	280	95	29	0.019
28.8000-010	10	-15...+80	280	95	29	0.022
28.8000-250	250	-15...+80	280	95	29	0.620

Classic oil for general purposes.  
Suitable for wristwatches and pocket watches, except springs and winding mechanisms.  
Yellow and limpid aspect.

### Moebius 8030



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.8030-020	20	-18...+80	440	115	31	0.055
28.8030-250	250	-18...+80	440	115	31	0.620
28.8030-1L	1000	-18...+80	440	115	31	1.600

Classic oil for clocks, music box movements and any other kind of precise mechanisms.  
See 8031 for lower temperatures.  
Light yellow and limpid aspect.

### Moebius 8031



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.8031-020	20	-25...+80	390	110	30	0.054
28.8031-250	250	-25...+80	390	110	30	0.620
28.8031-1L	1000	-25...+80	390	110	30	1.780

Classic oil for clocks, music box movements and any other kind of precise mechanisms.  
Yellow and limpid aspect.

**Moebius 8040**



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
<b>28.8040-020</b>	20	-27...+80	570	145	34	0.055
<b>28.8040-250</b>	250	-27...+80	570	145	34	0.600
<b>28.8040-1L</b>	1000	-27...+80	570	145	34	1.550

Classic oil for cuckoo-clocks as well as from small until tower clocks, and any other kind of precise mechanisms.  
Light yellow and limpid aspect.

**Moebius 8141**



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
<b>28.8141-020</b>	20	-4...+100	7000	1250	177	0.057
<b>28.8141-250</b>	250	-4...+100	7000	1250	177	0.610
<b>28.8141-1L</b>	1000	-4...+100	7000	1250	177	1.580

Classic oil with excellent stability and resistance qualities, used for mechanisms under high pressures.  
Suitable for cup-bearings, centre wheels, barrel arbours, canon-pinions and certain parts of automatic winding mechanisms.  
Yellow aspect.

## Synthetic oils for watchmaking and micromechanics.

### Moebius Syntescap 941



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.941-002	2	-15...+70	340	103	26	0.011
28.941-005	5	-15...+70	340	103	26	0.022
28.941-010	10	-15...+70	340	103	26	0.034
28.941-050	50	-15...+70	340	103	26	0.207
28.941-1L	1000	-15...+70	340	103	26	0.905

Special synthetic oil for pallets lubrication. Suitable for any watch and clock calibres.

Limpid and yellowish aspect.

### Moebius Quartz Oil 9000



MSA	ml	Temp. ° C	Visc. 20° C	Kg
28.9000-002	2	-36...+80	100	0.010

Universal synthetic lubricant for quartz analogue watches. Suitable for plastic like polyacetal (Delrin®), polyamides, polycarbonates. Very adherent and doesn't spread out in normal use conditions.

**Moebius Synt-A-Lube 9010/9014**



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9010-002	2	-29...+70	625	150	31	0.015
28.9010-005	5	-29...+70	625	150	31	0.026
28.9010-010	10	-29...+70	625	150	31	0.037
28.9010-050	50	-29...+70	625	150	31	0.206
28.9010-1L	1000	-29...+70	625	150	31	0.907
-	-	-	-	-	-	-
28.9014-002	2	-35...+70	390	98	24	0.011
28.9014-005	5	-35...+70	390	98	24	0.022
28.9014-010	10	-35...+70	390	98	24	0.033
28.9014-050	50	-35...+70	390	98	24	0.206
28.9014-1L	1000	-35...+70	390	98	24	0.905

Synthetic oil for the adjustable parts and stones on small and medium calibres and any other kind of precise mechanisms. The 9014 is a mix of 70% of the 9010 and 30% of the 9030. Its intermediate viscosity increases its cold resistance. Limpid and yellowish aspect.

**Moebius Synt-A-Lube 9010 fluorescent**



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9010-002F	2	-29...+70	625	150	31	0.015
28.9010-01F	10	-29...+70	625	150	31	0.054

Same text as item MSA28.9010-x.

**Moebius Synt-A-Lube 9010 blue**



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9010-B/002	2	-29...+70	625	150	31	0.015
28.9010-B/010	10	-29...+70	625	150	31	0.037
28.9010-B/050	50	-29...+70	625	150	31	0.206

Same text as item MSA28.9010-x.

### Moebius Synt-A-Lube 9015



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9015-002	2	-32...+70	625	150	31	0.011
28.9015-005	5	-32...+70	625	150	31	0.022
28.9015-010	10	-32...+70	625	150	31	0.034
28.9015-050	50	-32...+70	625	150	31	0.206
28.9015-1L	1000	-32...+70	625	150	31	0.905

Synthetic oil to reduce combination metal/plastic friction in bearings, plastic/plastic sliding friction or in case of insufficient natural friction reduction of plastics or to improve this property. For high temperatures and pressures, use 9026 with additional disulfide molybdenum. The resistance of oil on plastics is dependent of its surface layer, therefore the need for an epilame has to be checked each time (particularly indicated for 9034 use). Light yellowish aspect.

### Moebius Synt-Visco-Lube 9024



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9024-002	2	-18...+80	1450	266	45	0.013
28.9024-005	5	-18...+80	1450	266	45	0.022
28.9024-010	10	-18...+80	1450	266	45	0.037
28.9024-050	50	-18...+80	1450	266	45	0.207
28.9024-1L	1000	-18...+80	1450	266	45	0.907

Same text as item MSA28.9015-x.

### Moebius Synt-Visco-Lube 9026



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9026-002	2	-18...+90	1450	266	45	0.013
28.9026-005	5	-18...+90	1450	266	45	0.022
28.9026-010	10	-18...+90	1450	266	45	0.030
28.9026-050	50	-18...+90	1450	266	45	0.208
28.9026-1L	1000	-18...+90	1450	266	45	0.932

Same text as item MSA28.9015-x.

**Moebius Synt-Visco-Lube 9027**



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9027-005	5	-4...+80	7600	1040	130	0.022
28.9027-010	10	-4...+80	7600	1040	130	0.029
28.9027-050	50	-4...+80	7600	1040	130	0.208
28.9027-1L	1000	-4...+80	7600	1040	130	0.935

Same text as item MSA28.9015-x.

**Moebius Synt-Frigo-Lube 9034**



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9034-002	2	-41...+60	180	58	16	0.010
28.9034-005	5	-41...+60	180	58	16	0.020
28.9034-010	10	-41...+60	180	58	16	0.032
28.9034-050	50	-41...+60	180	58	16	0.205
28.9034-1L	1000	-41...+60	180	58	16	0.880

Same text as item MSA28.9015-x.

**Moebius Synt-Visco-Lube 9020**



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9020-002	2	-18...+80	1450	266	45	0.015
28.9020-005	5	-18...+80	1450	266	45	0.022
28.9020-010	10	-18...+80	1450	266	45	0.037
28.9020-050	50	-18...+80	1450	266	45	0.207
28.9020-1L	1000	-18...+80	1450	266	45	0.926

Synthetic oil for bearing lubrication of small calibres used instead of 9010 if the pressure resistance is not sufficient.  
Also particularly used for big calibres with higher pressure resistance, for oscillating weights and any other mobile parts of automatic movements.  
Light yellowish aspect.

**Moebius Synt-Visco-Lube 9020 fluorescent**

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9020-002FL	2	-18...+80	1450	266	45	0.015
28.9020-005FL	5	-18...+80	1450	266	45	0.022
28.9020-010FL	10	-18...+80	1450	266	45	0.037
28.9020-050FL	50	-18...+80	1450	266	45	0.207

Same text as item MSA28.9020-x.

**Moebius Synt-Frigo-Lube 9030**

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9030-002	2	-41...+60	180	60	16	0.015
28.9030-005	5	-41...+60	180	60	16	0.027
28.9030-010	10	-41...+60	180	60	16	0.037
28.9030-050	50	-41...+60	180	60	16	0.205
28.9030-1L	1000	-41...+60	180	60	16	0.882

Synthetic oil used in low temperature conditions of small mechanisms like watches, Meteorological, cars, aircrafts and boats instruments. It is recommended to do an epilame-coating of the movements.  
Light yellowish aspect.

**Moebius Arctic 9040**

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9040-002	2	-52...+120	65	24	9	0.015
28.9040-005	5	-52...+120	65	24	9	0.024
28.9040-010	10	-52...+120	65	24	9	0.044
28.9040-050	50	-52...+120	65	24	9	0.207
28.9040-1L	1000	-52...+120	65	24	9	0.919

Synthetic oil used for watches and precision instruments on boats, air crafts... working in low temperature condntions.  
It is also suitable for higher temperatures. Due to low viscosity, this oil tends of spreading at normal temperature and it is recommended to do an epilame-coating.  
Limpid and yellow aspect.

**Moebius Synt-HP 500 (9101) - Moebius Synt-HP 750 (9102) - Moebius Synt-HP 1000 (9103) - Moebius Synt-HP 1300 (9104)**



MSA	ml	Temp. °C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9101-002	2	-35...+100	2300	511	33	0.017
28.9101-020	20	-35...+100	2300	511	33	0.070
28.9101-050	50	-35...+100	2300	511	33	0.100
-	-	-	-	-	-	-
28.9102-002	2	-35...+100	3300	731	44	0.017
28.9102-020	20	-35...+100	3300	731	44	0.070
28.9102-050	50	-35...+100	3300	731	44	0.100
-	-	-	-	-	-	-
28.9103-002	2	-35...+100	4700	1013	56	0.017
28.9103-005	5	-35...+100	4700	1013	56	0.025
28.9103-020	20	-35...+100	4700	1013	56	0.070
28.9103-050	50	-35...+100	4700	1013	56	0.100
-	-	-	-	-	-	-
28.9104-002	2	-35...+100	5900	1267	68	0.017
28.9104-005	5	-35...+100	5900	1267	68	0.025
28.9104-020	20	-35...+100	5900	1267	68	0.070
28.9104-050	50	-35...+100	5900	1267	68	0.100

Synthetic oil for mechanical watches, train wheels, barrels, steel/steel friction, precision instruments, motors, small ball bearings, etc. The SYNT-HP is convenient for high pressure where stability is needed on precise mechanisms.

**Moebius Synt-HP 500 (9101) - Moebius Synt-HP 750 (9102) - Moebius Synt-HP 1000 (9103) - Moebius Synt-HP 1300 (9104) : colouring free**



MSA	ml	Temp. °C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.9101-05S	5	-35...+100	2300	511	33	0.025
-	-	-	-	-	-	-
28.9102-05S	5	-35...+100	3300	731	44	0.025
-	-	-	-	-	-	-
28.9103-05S	5	-35...+100	4700	1013	56	0.025
-	-	-	-	-	-	-
28.9104-02S	2	-35...+100	5900	1267	68	0.017
28.9104-05S	5	-35...+100	5900	1267	68	0.025
28.9104-20S	20	-35...+100	5900	1267	68	0.070
28.9104-50S	50	-35...+100	5900	1267	68	0.100

Same text as item MSA28.9101-x.



**Moebius Synt-HP 500 (9101) - Moebius Synt-HP 750 (9102) - Moebius Synt-HP 1300 (9104) :  
fluorescent**



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
<b>28.9101-002FL</b>	2	-35...+100	2300	511	33	0.030
<b>28.9101-005FL</b>	5	-35...+100	2300	511	33	0.025
<b>28.9101-020FL</b>	20	-35...+100	2300	511	33	0.070
<b>28.9101-050FL</b>	50	-35...+100	2300	511	33	0.100
-	-	-	-	-	-	-
<b>28.9102-002FL</b>	2	-35...+100	3300	731	44	0.030
<b>28.9102-005FL</b>	5	-35...+100	3300	731	44	0.025
<b>28.9102-020FL</b>	20	-35...+100	3300	731	44	0.070
<b>28.9102-050FL</b>	50	-35...+100	3300	731	44	0.100
-	-	-	-	-	-	-
<b>28.9104-20F</b>	20	-35...+100	5900	1267	68	0.070
<b>28.9104-50F</b>	50	-35...+100	5900	1267	68	0.100

Same text as item MSA28.9101-x.

**"Microgliss" oil made of classic and silicon oils, for watchmaking and precision micromechanics.**

**The complete range of Microgliss lubricants is composed of 6 groups and was specifically conceived for watchmaking and precision mechanics. Each group contains several products of different viscosities but with the same base.**

**Moebius Microgliss (Group D)**



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
<b>28.D2-020</b>	20	-30...+70	260	73	19	0.055
<b>28.D2-050</b>	50	-30...+70	260	73	19	0.110
<b>28.D2-250</b>	250	-30...+70	260	73	19	0.300
<b>28.D2-1L</b>	1000	-30...+70	260	73	19	0.872
-	-	-	-	-	-	-
<b>28.D3-020</b>	20	-22...+80	900	193	39	0.055
<b>28.D3-050</b>	50	-22...+80	900	193	39	0.112
<b>28.D3-250</b>	250	-22...+80	900	193	39	0.300
<b>28.D3-1L</b>	1000	-22...+80	900	193	39	0.885
-	-	-	-	-	-	-
<b>28.D4-020</b>	20	-15...+80	1900	370	68	0.055
<b>28.D4-050</b>	50	-15...+80	1900	370	68	0.112
<b>28.D4-250</b>	250	-15...+80	1900	370	68	0.300
<b>28.D4-1L</b>	1000	-15...+80	1900	370	68	0.887
-	-	-	-	-	-	-
<b>28.D5-020</b>	20	-15...+80	7300	1200	175	0.055
<b>28.D5-050</b>	50	-15...+80	7300	1200	175	0.113
<b>28.D5-250</b>	250	-15...+80	7300	1200	175	0.300
<b>28.D5-1L</b>	1000	-15...+80	7300	1200	175	0.899

The D group is made of 4 oils with identical base properties but different viscosity.

Oil D2 works well at low temperatures but a surface pre-treatment against spreading is needed (with Fixodrop).

Oils D3, D4 and D5 are used in bearings exposed to high pressures according to safety margins.

**Moebius Microgliss (Group C)**

MSA	ml	Visc. 20° C	Kg
28.C7-020	20	350	0.054
28.C7-050	50	350	0.120
28.C7-1L	1000	350	1.625

Mineral based oil, with improved adherence and consistency thanks to a fatty grease.

Application : micromotors and lubrication problems in watchmaking (cup-bearings and centre wheels).

**Moebius Microgliss (Group H)**

MSA	ml	Visc. 20° C	Kg
28.H10-020	20	13800	0.055
28.H10-050	50	13800	0.110
28.H10-250	250	13800	0.300
28.H10-1L	1000	13800	0.858

Dimethyl type silicon oil rarely used as lubricant.

Application : used as bathing solutions or as water resistant agents due to their hydrophobic properties. This oil is used as water resistant product and anti-vibration agent.

**Moebius Microgliss (Group I)**

MSA	ml	Visc. 20° C	Kg
28.I4-250	250	1000	0.558
28.I4-1L	1000	1000	1.920
-	-	-	-
28.I31-250	250	510	0.558
28.I31-1L	1000	510	1.920

Silicon oil.

Application : like H10, but of a definitely higher quality with a better consistency and adherence.

**Moebius Microgliss (Group K)**

MSA	ml	Visc. 20° C	Kg
28.K6-250	250	450	0.558
28.K6-1L	1000	450	1.630
-	-	-	-
28.K7-1L	1000	130	1.630

Anticorrosive oil of good consistency to normal use and preserving their good anti-corrosive properties even in contact with sea water.  
Application : specially made for soaking.

**Moebius Microgliss (Group L)**

MSA	ml	Visc. 20° C	Kg
28.L5-250	250	1200	0.468
28.L5-1L	1000	1200	1.630

Oil corresponding to those in group D with anti-corrosive and film forming additives for use in soaking.  
Application : all mechanisms subjected to high loads and exposed to unfavourable climatic conditions.

**Moebius Microgliss TH7-SC**



MSA	ml	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.TH7-002	2	440	290	198	0.030

This product is a mixture of polysiloxanes. With moderate to low lubricity, it is ideally suited for the lubrication of plastics.  
This oil has an excellent stability at high and low temperatures as well as to oxidation.

**Moebius oil and grease kits.**



MSA	Size mm	Kg
28.QUA2017	200 x 75 x 30	0.350

Lubricating kit Moebius® for quartz watches.

- Contents :
- 2 ml oil 9014
  - 2 ml oil 9104-SC
  - 5 ml grease 8212-SC
  - 5 ml grease 8302
  - 5 ml grease 9501-SC.



MSA	Size mm	Kg
28.MEC2017	200 x 75 x 30	0.350

Lubricating kit for mechanical watches.

- Contents :
- 2 ml oil 9010
  - 5 ml oil 9104
  - 2 ml grease 9415
  - 5 ml grease 9501
  - 5 ml grease 9504.

**Lubeta oils.**



MSA	ml	Kg
28.V105-010	10	0.052
28.V105-100	100	0.197

Immersion lubricant Lubeta V105 for reversing wheel.



MSA	ml	Kg
28.V106-010	10	0.052
28.V106-100	100	0.180

Lubeta oil V106 for ball bearing.

## Classic greases for watchmaking and micromechanics.

### Moebius 8200 - 8203



MSA	ml	Visc. 20° C	Visc. 50° C	Visc. 80° C	Kg
28.8200-020	20	(1)	30	11	0.060
28.8200-050	50	(1)	30	11	0.130
28.8200-250	250	(1)	30	11	0.530
28.8200-1L	1000	(1)	30	11	1.410
-	-	-	-	-	-
28.8203-020	20	(1)	30	11	0.060

(1) Solid

Classical grease for ball bearing and any other low moving at large surface lubrication. Normal consistence at 20°C.

The lowest use temperature is between -10° C and -40° C.

The highest use temperature is +80° C, however, it turns in oil from +40° C and up.

The 8203 contains a stearate of aluminium as a thickening agent and does not lend itself to hot use.

Yellow aspect.

### Moebius 8200 fluorescent



MSA	ml	Visc. 20° C	Visc. 50° C	Visc. 80° C	Kg
28.8200-020FL	20	(1)	30	11	0.060
28.8200-050FL	50	(1)	30	11	0.130
28.8200-250FL	250	(1)	30	11	0.530
28.8200-1FL	1000	(1)	30	11	1.410

(1) Solid

Same text as item MSA28.8200-x.

### Moebius 8201



MSA	ml	Visc. 20° C	Visc. 50° C	Kg
28.8201-020	20	20	(1)	0.070

(1) Solid

Special classic lubricant with disulfide molybdenum.

Application : as the 8200 but is generally used at room temperature. In case of overheating, take into account that the MoS2 drops, which needs a frequent mixing. Normal consistency at 20° C. Limit temperatures like 8200. Black aspect.



MSA	ml	Visc. 20° C	Visc. 50° C	Kg
28.8201-050	50	20	(1)	0.150
28.8201-250	250	20	(1)	0.600

(1) Solid

Special classic lubricant with disulfide molybdenum.

Application : as the 8200 but is generally used at room temperature. In case of overheating, take into account that the MoS2 drops, which needs a frequent mixing. Normal consistency at 20° C. Limit temperatures like 8200. Black aspect.

### Moebius 8207



MSA	ml	Visc. 20° C	Visc. 50° C	Visc. 80° C	Kg
28.8207-020	20	(1)	19	12	0.060
28.8207-050	50	(1)	19	12	0.140
28.8207-250	250	(1)	19	12	0.505
28.8207-1L	1000	(1)	19	12	1.600

(1) Solid

Graphite special classic lubricant.

Application : as the 8201 but does not drop due to incorporated graphite. Normal consistency at 20° C. Limit temperatures like 8200. Black aspect.

### Moebius Glissalube 8212 - 8213 - 8217



MSA	ml	Kg
28.8212-020	20	0.080
28.8212-050	50	0.062
-	-	-
28.8213-020	20	0.080
-	-	-
28.8217-020	20	0.080

8212 Glissalube B : classic grease for aluminium barrel drums. Weak breaking.

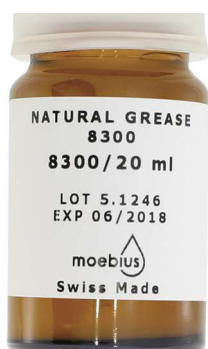
8213 Glissalube A : classic grease for brass barrel drums. Good breaking.

8217 Glissalube 20 : classic grease for barrel drums. Normal breaking.

**Moebius Glissalube 8212 : colouring free**

MSA	ml	Kg
28.8212-50S	50	0.160

Same text as item MSA28.8212-x.

**Moebius 8300 - 8301 - 8302**

MSA	ml	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.8300-020	20	12	9	6	0.045
28.8300-050	50	12	9	6	0.130
28.8300-250	250	12	9	6	0.530
28.8300-1L	1000	12	9	6	1.410
-	-	-	-	-	-
28.8301-020	20	10	9	6	0.045
-	-	-	-	-	-
28.8302-020	20	19	14	9	0.051
28.8302-050	50	19	14	9	0.140
28.8302-250	250	19	14	9	0.580

Classic grease for winding mechanisms.

Application : watch winding systems, alarm clocks and clocks. Also suitable for clock bearing springs and slow mobile parts with large frictional surface. In hot countries it replaces advantageously the 8200. Yellowish aspect. Normal consistency at 20° C.

Lowest temperature limit between -10° C and -40° C.

The highest temperature of use reaches 80° C but at 50° C it reacts as oil.

The 8301 (black aspect) contains additional graphite and is suitable for sliding clamps.

The 8302 (grey-black aspect) contains an additional disulfide molybdenum and is also suitable for sliding clamps.



**Moebius 8300 fluorescent**



MSA	ml	Visc. 0° C	Visc. 20° C	Visc. 50° C	Kg
28.8300-020F	20	12	9	6	0.045

Same text as item MSA28.8300-x.

## Synthetic greases for watchmaking and micromechanics.

### Moebius 9415



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 80° C	Kg
28.9415-002	2	-20...+80	410	107	10	0.016
28.9415-010	10	-20...+80	410	107	10	0.038
28.9415-100	100	-20...+80	410	107	10	0.370

Synthetic grease for different applications.  
In mechanical watches, it is used as lubricant for the escapement.  
For micromechanics, it is used in the following areas : miniature ball bearings, step by step motors, high frequencies, synchronies, etc.  
Yellowish aspect.

### Moebius 9415 fluorescent



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 80° C	Kg
28.9415-01F	10	-20...+80	410	107	10	0.054

Same text as item MSA28.9415-x.

### Moebius 9501



MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 80° C	Kg
28.9501-010	10	-38°	176	68	12	0.021
28.9501-050	50	-38°	176	68	12	0.064

Synthetic soft grease, developed to solve friction problems like time setting, winding and calendar mechanisms and revolving bezels of diving watches.  
Packaging available :  
Syringe MSA28.9501-010, 28.9501-01F and 28.9501-R-010.  
Bottle MSA28.9501-050 and 28.9501-05F.

**Moebius 9501 fluorescent**

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 80° C	Kg
28.9501-01F	10	-38°	176	68	12	0.021
28.9501-05F	50	-38°	176	68	12	0.064

Same text as item MSA28.9501-x.

**Moebius 9501 red**

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 80° C	Kg
28.9501-R-010	10	-38°	176	68	12	0.021

Same text as item MSA28.9501-x.

**Moebius 9504**



MSA	ml	Temp. ° C	Visc. 20° C	Visc. 40° C	Visc. 100° C	Kg
28.9504-005	5	-20...+100	305	103	13.4	0.047
28.9504-10	10	-20...+100	305	103	13.4	0.057
28.9504-10-S	10 *	-20...+100	305	103	13.4	0.024
28.9504-50	50	-20...+100	305	103	13.4	0.125

\* Syringe

Synthetic grease gives very stable friction with high lubricant capacity. It is composed of the basic 9501 grease and a metallic soap to obtain an increased consistence and adhesion. A neutral additive gives an excellent high-pressure resistance and a good attrition. The 9504 grease is suitable for any metal/metal friction of medium and high pressures.

Application : winding, calendar, chronograph and time setting mechanisms.

**Moebius 9504 fluorescent**

MSA	ml	Temp. ° C	Visc. 20° C	Visc. 40° C	Visc. 100° C	Kg
<b>28.9504-10F</b>	10	-20...+100	305	103	13.4	0.057

Same text as item MSA28.9504-x.

**Moebius 9504 : colouring free**

MSA	ml	Temp. ° C	Visc. 20° C	Visc. 40° C	Visc. 100° C	Kg
<b>28.9504-10S</b>	10	-20...+100	305	103	13.4	0.057
<b>28.9504-10S-S</b>	10 *	-20...+100	305	103	13.4	0.057
<b>28.9504-50S</b>	50	-20...+100	305	103	13.4	0.125

\* Syringe

Same text as item MSA28.9504-x.

**Waterproof silicon greases.**

**Moebius 8513 - 8516**



MSA	ml	Temp. °C	Visc. 20° C	Kg
28.8513-010	10	-60...150	(1)	0.015
28.8513-050	50	-60...150	(1)	0.070
28.8513-100	100	-60...150	(1)	0.145
28.8513-200	200	-60...150	(1)	0.320
28.8513-1L	1000	-60...150	(1)	1.450
-	-	-	-	-
28.8516-10	10	-60...120	(2)	0.015
28.8516-50	50	-60...120	(2)	0.072
28.8516-200	200	-60...120	(2)	0.550

(1) Solid (2) Soft

Waterproof silicon grease specially made for repairing and control of waterproof watches.

### Moebius grease and oil kits.



MSA	Size mm	Kg
<b>28.QUA2017</b>	200 x 75 x 30	0.350

Lubricating kit Moebius® for quartz watches.

Contents :

- 2 ml oil 9014
- 2 ml oil 9104-SC
- 5 ml grease 8212-SC
- 5 ml grease 8302
- 5 ml grease 9501-SC.



MSA	Size mm	Kg
<b>28.MEC2017</b>	200 x 75 x 30	0.350

Lubricating kit for mechanical watches.

Contents :

- 2 ml oil 9010
- 5 ml oil 9104
- 2 ml grease 9415
- 5 ml grease 9501
- 5 ml grease 9504.

Epilamation is a surface treatment intended to lower the surface tension of the support thus preventing the spreading of liquid lubricants. It provides the highest possible degree of security for mechanical precision instruments.

Fixodrop is successfully used in the following application areas :

- Hydrophobic and oleophobic (epilame) surface treatment for mechanisms, electronic and mechanical parts
- Precision micromechanics (watch, timer, measuring devices, tools, ...)
- Instrumentation and counters (automotive, aeronautic, naval, ...)
- Cameras and optical instruments
- General mechanics (office equipment, fans, ...).

### Moebius Fixodrop ES/WR-S



MSA	ml	Boiling point	Kg
28.7060-250	250	110° C	X.XXX
28.7061-250	250	110° C	X.XXX
28.7061-1L	1000	110° C	X.XXX
28.7062-250	250	110° C	X.XXX
28.7062-1L	1000	110° C	X.XXX

Fixodrop ES/WR-S are the first series of our "Wash Resistance" (WR) epilams that have been specifically developed to improve the washing resistance of standard materials (steel, ruby, copper, etc.). These epilams can be applied to all materials, but they will be the most effective on these standard materials for which they have excellent resistance to washing.

- 7060 : concentrated solution, may only be dissolved with solvent MSA28.5700-1L
- 7061 : ready-to-use solution
- 7062 : ready-to-use solution recommended only at a production level with excellent working conditions and regular checks.

### Moebius Fixodrop ES/WR-P



MSA	ml	Boiling point	Kg
28.7070-250	250	110° C	X.XXX
28.7071-250	250	110° C	X.XXX
28.7071-1L	1000	110° C	X.XXX
28.7072-250	250	110° C	X.XXX
28.7072-1L	1000	110° C	X.XXX

Fixodrop ES/WR-P are the second series of our "Wash Resistance" (WR) epilams that have been specifically developed to improve the washing resistance of special or precious materials (gold, rhodium-plated, nickel, DLC, etc). These epilams can be applied to all materials, but they will be the most effective on these standard materials for which they have excellent resistance to washing.

- 7070 : concentrated solution, may only be dissolved with solvent MSA28.5700-1L
- 7071 : ready-to-use solution
- 7072 : ready-to-use solution recommended only at a production level with excellent working conditions and regular checks.

### Moebius Fixodrop ES/BS



MSA	ml	Boiling point	Kg
28.8980-100	100	110° C	0.265
28.8980-1L	1000	110° C	1.680
28.8981-100	100	110° C	0.295
28.8981-250	250	110° C	0.500
28.8981-1L	1000	110° C	1.680
28.8982-1L	1000	110° C	1.680

Fixodrop ES/BS is a modern epilame, developed by MOEBIUS, based on fluorinated synthetic resins, diluted in a solvent which meets current ecological standards.

- 8980 : concentrated solution, may only be dissolved with solvent MSA28.5700-1L
- 8981 : ready-to-use solution
- 8982 : ready-to-use solution recommended only at a production level with excellent working conditions and regular checks.

### Moebius Fixodrop ES/K



MSA	ml	Boiling point	Kg
28.8991-100	100	110° C	0.295
28.8991-250	250	110° C	0.500
28.8991-1L	1000	110° C	1.680

Epilame specially conceived for the treatment of plastic, plastics fibre-reinforced and Delrin®.

- 8991 : ready-to-use solution.

### Moebius Fixodrop W



MSA	ml	Boiling point	Kg
28.8970-1L	1000	100° C	1.680
28.8971-1L	1000	100° C	1.680

Fixodrop W is an aqueous economical epilame. The active substance is a high activity fluorine component. This washable epilame can be removed after a simple wash with an aqueous or alcoholic solution.

- 8970 : concentrated solution. Before dilution, the concentrate must be shaken vigorously, also during partial sampling. Any empty bottle should be rinsed
- 8971 : ready-to-use solution.



**Moebius solvent for Fixodrop.**



MSA	ml	Kg
28.5700-1L	1000	1.620

EcoSolv is suitable for replacing PFCs, PFPEs, HFEs, HFCs and HCFSs in specialized applications. The favorable viscosity and density characteristics of this product allow superior cleaning as well as performances as carrier fluid.

- Solvent for diluting Fixodrop epilames MSA28.7060-250, MSA28.7070-1L et MSA28.8980-x (10% of concentrate solution / 90% of solvent)
- Cleaning agent
- Coating agent (carrier fluid) for fluorinated materials.

**EPISURF-Neo®**



MSA	ml	Boiling point	Kg	Description
28.405-050	50	110° C	0.052	Ready for use solution
28.405-100	100	110° C	0.100	= MSA28.405-050
28.405-1L	1000	110° C	1.000	= MSA28.405-050

Episurf-Neo® is a new generation high performance epilame agent. An Epilame is a surface agent that prevents oil from spreading by reducing the surface tension of the treated material.

As compared to existing first generation epilame products that could whiten treated parts, Episurf-Neo® results in no visual modification of the parts. The product also has improved efficiency, a higher resistance to washing cycles and is an environmentally responsible product.

Episurf-Neo® is dedicated to serving the needs of our customers: watch manufacturers and watch repair services.

Technical and environmental data :

Composition : Perfluoropolyether phosphonate

Diluent : Hydro fluoro olefin

Density at 25 ° C : 1.58

Flash point : 110° C

Freezing point : < -90° C

VOC : 0 %

Do not deplete the ozone layer : 0 (ODP)

Global warming potential : 2.5

Surface tension : 15 +/- 2 dyn.cm-1

Atmospheric lifetime : <10 days

**NOVOSTAR® oils at high lubricant power, long conservation and cold resistant.**



MSA	ml	Visc. 20° C	Kg
<b>28.B.0006</b>	6	89	0.011
<b>28.B4-2.5</b>	4x 2.5	89	0.039

NOVOSTAR® oil B type for gear train and escapement in watches.



MSA	ml	Visc. 20° C	Kg
<b>28.L.0005</b>	6	82	0.014

NOVOSTAR® oil L type for watch palettes.



MSA	ml	Visc. 20° C	Kg
<b>28.M.0010</b>	10	95	0.039

NOVOSTAR® oil M type for gear train and escapement pivots for pocket watches.



MSA	ml	Visc. 20° C	Kg
<b>28.R.0020</b>	20	110	0.057

NOVOSTAR® oil R type for gear train of clocks.

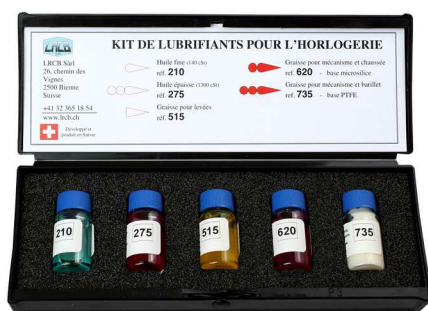
**LA JURASSIENNE® oil.**



MSA	ml	Size mm	Kg
28.J.0100	100	Ø 45 x 105	0.154

LA JURASSIENNE® mineral oil for wall clocks.  
 - Severely refined and compatible with strong oxidants  
 - Temperature of auto-inflammation at 200° C  
 - Stable product in usual stocking temperatures, manipulation and use.

**Synthetic oils and greases for the watchmaking industry.**



MSA	Size mm	Kg
28.211	200 x 70 x 30	0.140

Kit of 5 synthetic oils and greases (5 small bottles of 5 ml).  
 Contents :  
 - Oil MSA28.210-005  
 - Oil MSA28.275-005  
 - Grease MSA28.515-005  
 - Grease MSA28.620-005  
 - Grease MSA28.735-005.  
 Delivered in 1 plastic box.



MSA	ml	Temp. ° C	Visc. 20° C	Kg
28.210-005	5	,,, -30	140	0.011

Fine oil for bearing of balance staff and pallet fork wheel. Contains a fluorescent additive.  
 Cyan colour.  
 See kit MSA28.211.



MSA	ml	Visc. 20° C	Kg
28.275-005	5	1300	0.012

Thick oil for bearing of train wheel axle and barrel arbor.  
 Red color.  
 See kit MSA28.211.



MSA	ml	Kg
28.515-005	5	0.012

Thixotropic grease for escapement. Contains a fluorescent additive.  
Yellow colour.  
See kit MSA28.211.



MSA	ml	Kg
28.620-005	5	0.012

Grease for mechanism and cannon pinion based on microsilica. Contains a fluorescent additive.  
For ferrous alloys, not suitable for copper alloys.  
Red color.  
See kit MSA28.211.



MSA	ml	Kg
28.735-005	5	0.013

Thick grease for mechanism based on PTFE. Can be used in some barrels  
Suitable for ferrous and copper alloys.  
Opaque white colour.  
See kit MSA28.211.

MSA	ml	Visc. 20° C	Kg
28.272-005	5	500	0.012
28.273-005	5	750	0.012
28.274-005	5	1000	0.012

Thick oil for bearing of train wheel axle and barrel arbor.  
Red color.

**LUBRIBOX : box with 2 foam cushions impregnated with silicone grease allowing to lubricate O-Ring gaskets up to Ø 60 mm.**



MSA	Contents	Kg
28.000	2 g	0.030

Box with grease Silicon-7®.



MSA	Contents	Kg
28.001	2 g	0.030

Box with grease Fomblin® UT18.



MSA	Contents	Kg
28.002	2 g	0.030

Box with grease Moebius® 8513.



MSA	Contents	Kg
28.003	2 g	0.030

Box with grease Molykote® 111.



MSA	Contents	Kg
28.004	2 g	0.030

Box with grease Seiko® TSF-451.



MSA	Kg
28.220	0.028

Box without grease.

**NOVOSTAR® grease.**



MSA	ml	Kg
28.LUB.0030	30	0.079

NOVOSTAR® grease for watch barrels.



**CHRONOGREASE grease.**



MSA	Packaging	Size mm	Kg
28.102	Pot of 5 g	Ø 22.5 x 31	0.008

CHRONOGREASE KLÜBER P125® grease.  
 - Recommended by ETA SA for greasing mainsprings (calibres 7750, A07111, etc.).

**SILCON-7® grease.**



MSA	Packaging	Size mm	Kg
28.652	Tube of 10 g	Ø 12 x 56	0.012

SILCON-7® waterproofing grease.  
 - For watch cases  
 - It stops gaskets from drying and encrusting in the thread.

**SEIKO® greases.**



MSA	Contents	Size mm	Kg
28.104	4 g	Ø 35 x 18	0.014

SEIKO® TSF-451 silicon grease.  
 - Mainly used in the repair and control of waterproof watches  
 - Excellent lubricant with water-displacing property  
 - For the lubrication of crown gaskets, case backs and bezels.



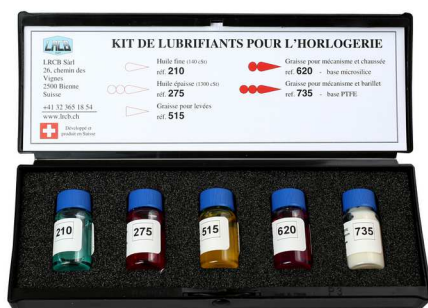


MSA	Contents	Size mm	Kg
28.105	10 g	Ø 36 x 18	0.016

SEIKO® S-6 grease.

- For automatic winding mechanism : eccentric posts, click levers and bearings.

### Synthetic greases and oils for the watchmaking industry.



MSA	Size mm	Kg
28.211	200 x 70 x 30	0.140

Kit of 5 synthetic oils and greases (5 small bottles of 5 ml).

Contents :

- Oil MSA28.210-005
- Oil MSA28.275-005
- Grease MSA28.515-005
- Grease MSA28.620-005
- Grease MSA28.735-005.

Delivered in 1 plastic box.



MSA	ml	Temp. ° C	Visc. 20° C	Kg
28.210-005	5	...-30	140	0.011

Fine oil for bearing of balance staff and pallet fork wheel. Contains a fluorescent additive.

Cyan colour.

See kit MSA28.211.



MSA	ml	Visc. 20° C	Kg
28.275-005	5	1300	0.012

Thick oil for bearing of train wheel axle and barrel arbor.

Red color.

See kit MSA28.211.



MSA	ml	Kg
28.515-005	5	0.012

Thixotropic grease for escapement. Contains a fluorescent additive.  
Yellow colour.  
See kit MSA28.211.



MSA	ml	Kg
28.620-005	5	0.012

Grease for mechanism and cannon pinion based on microsilica. Contains a fluorescent additive.  
For ferrous alloys, not suitable for copper alloys.  
Red color.  
See kit MSA28.211.



MSA	ml	Kg
28.735-005	5	0.013

Thick grease for mechanism based on PTFE. Can be used in some barrels  
Suitable for ferrous and copper alloys.  
Opaque white colour.  
See kit MSA28.211.

## JISMAA® lubricants.



MSA	Colour	Packaging	Size	Kg
28.200	Blue	Tube of 7 g	85 x 20 x 15 mm	0.009
28.205	Green	Tube of 7 g	85 x 20 x 15 mm	0.009
28.206	Green	Tube of 18 g	115 x 30 x 20 mm	0.020

JISMAA® synthetic lubricant entirely mineral, specially recommended for precision instruments, measuring instruments, counters, quartz movements, optical instruments, etc. Its deterioration, spreading and evaporation are nil.

This lubricant can accept extreme temperature variations (-50° C to +100° C), big centrifugal force (30,000 rpm) and strong friction. No oxidation.

Recommended use :

- BLUE for steel/steel (alloys frictions, iron alloy carbon/Mo/steel/Cr)
  - GREEN for steel/brass (alloys frictions, iron alloy copper Cu/Be/Ni).
- Recommended use with JISMAA® oilers illustrated in chapter 17 (MSA17.050...17.052 and MSA17.060...17.063).



## MOLYKOTE® lubricants.



MSA	Colour	Packaging	Size	Kg
28.303	White	Tube of 100 g	Ø 35.5 x 170 mm	0.110

MOLYKOTE® 111 waterproofing paste based on silicone grease.

Advantages :

- Excellent water resistance, even see water
- Good resistance to most chemical products
- Low volatility
- The purpose is to avoid crowns and tubes gaskets sticking to metal
- Temperatures use range : from -40° C up to +200° C.



MSA	Colour	Packaging	Size	Kg
28.300	White	Tube of 50 g	Ø 35 x 130 mm	0.077

MOLYKOTE® DX white consistent paste made of lithium grease.

Advantages :

- Very high load capacity
- Reduces friction and wearing
- Very good resistance to the washing out
- Protection against cold temperature soldering
- Good protection against oxidation and excellent protection against contact corrosion. It reduces incidents of grinding and seizing
- Temperatures use range : from -25° C to +125° C.

**KT-22® lubricants.**



MSA	Packaging	Size	Kg
28.651	Pot of 12 g	Ø 34 x 32 mm	0.017

KT-22® lubricant for multiple uses.  
For greasing gear trains on watches and various instruments, waterproofing crowns, pushers and case backs gaskets.

**Loosening lubricant.**



MSA	Packaging	Size	Kg
28.654	Syringue of 6 cc	Ø 15 x 155 mm	0.015

High-powered loosening lubricant for screws.

**SUPER LUBE® multi-use Syncolon® lubricant.****Main features :**

- The product is 100% synthetic and biodegradable / No petroleum and no silicon component
- Non-corrosive and non oxidable / Better lubrication thanks to PTFE suspension particles
- Totally neutral on plastic, paints, clothes, rubber or wood / It doesn't stain
- 100% hot, cold and saltwater resistant / It doesn't evaporate / Without odour
- Dielectric and prevent seizure / It doesn't dry / Efficient between -40° C and +232° C.



MSA	Packaging	Size	Kg
28.SL007	Pen 7 g (in blister)	Ø 15 x 120 mm	0.022



MSA	Packaging	Size	Kg
28.SL012	Tube of 12 g (in blister)	Ø 25 x 110 mm	0.025



MSA	Packaging	Size	Kg
28.SL085	Tube of 85 g (in blister)	Ø 55 x 145 mm	0.110



MSA	Packaging	Size	Kg
28.SL300	Spray 300 ml	Ø 65 x 200 mm	0.380