

Natural oils for watchmaking and micromechanics.



Moebius 8000

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.8000-001	1 ml	-15...+80	280	95	41	0.004
28.8000-010	10	-15...+80	280	95	41	0.022

Natural oil for general purposes.

Suitable for wristwatches and pocket watches, except springs and winding mechanisms.

Light yellow aspect.



Moebius 8030

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.8030-020	20	-18...+80	440	115	47	0.055
28.8030-250	250	-18...+80	440	115	47	0.620
28.8030-1L	1000	-18...+80	440	115	47	1.600

Natural oil for clocks, music box movements and any other kind of precise mechanisms.

See 8031 for lower temperatures.

Light yellow aspect.



Moebius 8031

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.8031-020	20	-25...+80	390	110	45	0.054
28.8031-250	250	-25...+80	390	110	45	0.620
28.8031-1L	1000	-25...+80	390	110	45	1.780

Natural oil for clocks, music box movements and any other kind of precise mechanisms.

Limpid yellow aspect.



Moebius 8040

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.8040-020	20	-27...+80	570	150	56	0.055
28.8040-250	250	-27...+80	570	150	56	0.600

Natural oil for cuckoo-clocks as well as from small until tower clocks, and any other kind of precise mechanisms.

Light yellow aspect.



Moebius 8141

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.8141-020	20	-4...+100	11000	1250	310	0.057
28.8141-250	250	-4...+100	11000	1250	310	0.610
28.8141-1L	1000	-4...+100	11000	1250	310	1.580

Natural 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-brown aspect.

Synthetic oils for watchmaking and micromechanics.



Moebius Synt-A-Lube 9010 - 9014

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9010-002	2	-30...+70	625	150	52	0.015
28.9010-005	5	-30...+70	625	150	52	0.026
28.9010-010	10	-30...+70	625	150	52	0.037
28.9010-050	50	-30...+70	625	150	52	0.206
28.9010-1L	1000	-30...+70	625	150	52	0.907
-	-	-	-	-	-	-
28.9014-002	2	-35...+70	400	100	36	0.011
28.9014-005	5	-35...+70	400	100	36	0.022
28.9014-010	10	-35...+70	400	100	36	0.033
28.9014-050	50	-35...+70	400	100	36	0.206
28.9014-1L	1000	-35...+70	400	100	36	0.905

100% synthetic universal fluid thin oil based on ether and aliphatic alcohol with excellent resistance to ageing and good resistance to pressure. Also very effective for use under wet conditions.

With excellent lubricity and outstanding grip, this oil is ideal for regulating parts and fast mobiles with low torque (pendulum pivots, escapements, certain wheels, etc.).

Aspect light blue-green (9010) and light yellow (9014).

9010-B

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9010-B/002	2	-30...+70	625	150	52	0.015
28.9010-B/010	10	-30...+70	625	150	52	0.037
28.9010-B/050	50	-30...+70	625	150	52	0.206

9010-FL

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9010-002F	2	-30...+70	625	150	52	0.015
28.9010-01F	10	-30...+70	625	150	52	0.054

--- 9010-B dark blue



9010-FL fluorescent ---





Moebius Synt-A-Lube 9015

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9015-005	5	-30...+70	625	150	51	0.022
28.9015-010	10	-30...+70	625	150	51	0.034
28.9015-050	50	-30...+70	625	150	51	0.206
28.9015-1L	1000	-30...+70	625	150	51	0.905

100% synthetic thin oil based on ether and aliphatic alcohol with excellent resistance to ageing. With very good lubricity and excellent grip, this oil is ideal for lubrication of fast mobiles. Universal product specially recommended for the lubrication of metal-plastic combinations in bearings, plastic-to-plastic or plastic-to-metal linear friction in watches, counters, control instruments or in case of insufficient natural friction reduction of plastics or to improve this property.

Light yellow aspect.



Moebius Synt-Visco-Lube 9020

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9020-002	2	-25...+80	1450	270	78	0.015
28.9020-005	5	-25...+80	1450	270	78	0.022
28.9020-010	10	-25...+80	1450	270	78	0.037
28.9020-050	50	-25...+80	1450	270	78	0.207
28.9020-1L	1000	-25...+80	1450	270	78	0.926

100% synthetic universal fluid thin oil based on ether and aliphatic alcohol with excellent resistance to aging and good resistance to pressure. Also very effective for use under wet conditions. With excellent lubricity and outstanding grip, this oil is mainly used for precision micromechanics. Can also be used 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 yellow aspect.



--- 9020-FL fluorescent

9020-FL

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9020-002FL	2	-25...+80	1450	270	78	0.015
28.9020-005FL	5	-25...+80	1450	270	78	0.022
28.9020-010FL	10	-25...+80	1450	270	78	0.037
28.9020-050FL	50	-25...+80	1450	270	78	0.207



Moebius Synta-Visco-Lube 9024.

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9024-002	2	-25...+80	1450	270	80	0.013
28.9024-005	5	-25...+80	1450	270	80	0.022
28.9024-010	10	-25...+80	1450	270	80	0.037
28.9024-050	50	-25...+80	1450	270	80	0.207
28.9024-1L	1000	-25...+80	1450	270	80	0.907

100% synthetic rather fluid oil based on ether and aliphatic alcohol with excellent resistance to ageing. With excellent lubricity and outstanding grip, this oil is ideal for mobiles exposed to moderate pressure. Universal oil especially recommended for the lubrication of plastics.

Light yellow aspect.


Moebius Synta-Visco-Lube 9026

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9026-005	5	-25...+90	1800	235	72	0.022
28.9026-010	10	-25...+90	1800	235	72	0.030
28.9026-050	50	-25...+90	1800	235	72	0.208
28.9026-1L	1000	-25...+90	1800	235	72	0.932

Rather fluid 100% synthetic oil based on ether and aliphatic alcohol with excellent resistance to ageing. This oil provides both excellent lubricity and grip.

The addition of molybdenum disulphide (MoS₂) enhances its lubricity and improves its resistance to pressure.

Black aspect.


Moebius Synta-Visco-Lube 9027

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9027-005	5	-7...+80	7600	1050	242	0.022
28.9027-010	10	-7...+80	7600	1050	242	0.029
28.9027-050	50	-7...+80	7600	1050	242	0.208
28.9027-1L	1000	-7...+80	7600	1050	242	0.935

Viscous 100% synthetic oil based on ether and aliphatic alcohol with excellent resistance to ageing and excellent grip.

Providing an excellent lubricity at high viscosity this oil is particularly suitable for noise attenuation. It is especially recommended for metal/plastic as well as for plastic/plastic contacts.

Yellow aspect.


Moebius Synt-Frigo-Lube 9030

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9030-002	2	-40...+60	180	60	25	0.015
28.9030-005	5	-40...+60	180	60	25	0.027
28.9030-010	10	-40...+60	180	60	25	0.037
28.9030-050	50	-40...+60	180	60	25	0.205
28.9030-1L	1000	-40...+60	180	60	25	0.882

100% synthetic fluid thin oil based on ether and aliphatic alcohol, exhibiting an excellent behavior under low temperatures conditions. Also very effective for use under wet conditions. With excellent lubricity and outstanding grip, this oil is ideal for high precision micromechanics.

Recommended for the lubrication of mechanisms exposed to low temperatures such as watches, counters, weather instruments, car, aircraft and boat instruments.

It is advisable to epilate movements that also operate at normal or slightly higher temperatures.

Orange-yellow aspect.


Moebius Synt-Frigo-Lube 9034

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9034-002	2	-40...+60	180	60	24	0.010
28.9034-005	5	-40...+60	180	60	24	0.020
28.9034-010	10	-40...+60	180	60	24	0.032
28.9034-050	50	-40...+60	180	60	24	0.205
28.9034-1L	1000	-40...+60	180	60	24	0.880

100% synthetic fluid thin oil based on ether and aliphatic alcohol. Exhibiting a very good lubrication and an outstanding grip, this oil is ideal for use under low temperatures conditions.

This universal product is especially recommended for the lubrication of plastics.

The resistance of oil on plastics is dependent of its surface layer, therefore the need for an epilame has to be checked each time.

Light yellow aspect.



Moebius Arctic 9040

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9040-002	2	-52...+120	65	24	12	0.015
28.9040-010	10	-52...+120	65	24	12	0.044

100% synthetic very fluid and unctuous fine oil based on esters having a very good resistance to aging and having an extremely low degree of volatility.

This oil is specially designed for watches and precision instruments on boats and air crafts, parking meters and meteorological instruments working in low temperature conditions. 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.

Light yellow aspect.



Moebius Syntescap 941

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.941-002	2	-15...+70	340	105	42	0.011
28.941-005	5	-15...+70	340	105	42	0.022
28.941-010	10	-15...+70	340	105	42	0.034
28.941-050	50	-15...+70	340	105	42	0.207
28.941-1L	1000	-15...+70	340	105	42	0.905

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

100% synthetic fluid thin oil based on ether and aliphatic alcohol with excellent resistance to ageing. With excellent lubricity and outstanding grip, this oil is ideal for lubrication of pallets.

Suitable for all watch calibres, clocks and timepieces within the limits of the usual alternatives.

Ligth yellow aspect.



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

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9101-002	2	-30...+100	2300	500	156	0.017
28.9101-020	20	-30...+100	2300	500	156	0.070
28.9101-050	50	-30...+100	2300	500	156	0.100
-	-	-	-	-	-	-
28.9102-002	2	-35...+100	3300	750	220	0.017
28.9102-020	20	-35...+100	3300	750	220	0.070
28.9102-050	50	-35...+100	3300	750	220	0.100
-	-	-	-	-	-	-
28.9103-002	2	-30...+100	4700	1000	312	0.017
28.9103-005	5	-30...+100	4700	1000	312	0.025
28.9103-020	20	-30...+100	4700	1000	312	0.070
28.9103-050	50	-30...+100	4700	1000	312	0.100
-	-	-	-	-	-	-
28.9104-002	2	-25...+100	5900	1250	380	0.017
28.9104-005	5	-25...+100	5900	1250	380	0.025
28.9104-020	20	-25...+100	5900	1250	380	0.070
28.9104-050	50	-25...+100	5900	1250	380	0.100

Synthetic oil for mechanical watches (train wheels, barrels, steel/steel friction), on-board instruments, micromotors, miniature ball bearings, etc. The SYNT-HP is convenient for high pressure where stability is needed on precise mechanisms and where high demands are placed on the oil's ageing stability.

Red and fluorescent red aspect. Light yellow aspect for colourless items.

9101-SC 9102-SC 9103-SC 9104-SC

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9101-05S	5	-30...-100	2300	500	156	0.025
-	-	-	-	-	-	-
28.9102-05S	5	-35...-100	3300	750	220	0.025
-	-	-	-	-	-	-
28.9103-05S	5	-30...-100	4700	1000	312	0.025
-	-	-	-	-	-	-
28.9104-02S	2	-25...-100	5900	1250	380	0.017
28.9104-05S	5	-25...-100	5900	1250	380	0.025
28.9104-20S	20	-25...-100	5900	1250	380	0.070
28.9104-50S	50	-25...-100	5900	1250	380	0.100

9101-FL 9102-FL 9104-FL

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.9101-002FL	2	-30...+100	2300	500	156	0.030
28.9101-005FL	5	-30...+100	2300	500	156	0.025
28.9101-020FL	20	-30...+100	2300	500	156	0.070
28.9101-050FL	50	-30...+100	2300	500	156	0.100
-	-	-	-	-	-	-
28.9102-002FL	2	-35...+100	3300	750	220	0.030
28.9102-005FL	5	-35...+100	3300	750	220	0.025
28.9102-020FL	20	-35...+100	3300	750	220	0.070
28.9102-050FL	50	-35...+100	3300	750	220	0.100
-	-	-	-	-	-	-
28.9104-20F	20	-25...+100	5900	1250	380	0.070
28.9104-50F	50	-25...+100	5900	1250	380	0.100

- - colourless



- - - fluorescent



"Microgliss" oil made of classic and silicon oils, for watchmaking and precision micromechanics.
The complete range of Microgliss lubricants is composed of 5 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 C)

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.C7-020	20	-15...+100	2600	350	103	0.054
28.C7-050	50	-15...+100	2600	350	103	0.120
28.C7-1L	1000	-15...+100	2600	350	103	1.625

The Microgliss C-7 oil is a mixture of mineral and vegetable oils especially selected for their good lubricity. It presents both very good grip and very good ageing resistance.

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

Yellow-brown aspect.



D-2



D-3



D-4



D-5

Moebius Microgliss (Group D)

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.D2-050	50	-30...+70	260	75	29	0.110
28.D2-250	250	-30...+70	260	75	29	0.300
28.D2-1L	1000	-30...+70	260	75	29	0.872
-	-	-	-	-	-	-
28.D3-020	20	-22...+80	900	190	64	0.055
28.D3-050	50	-22...+80	900	190	64	0.112
28.D3-250	250	-22...+80	900	190	64	0.300
28.D3-1L	1000	-22...+80	900	190	64	0.885
-	-	-	-	-	-	-
28.D4-020	20	-15...+80	1900	330	100	0.055
28.D4-050	50	-15...+80	1900	330	100	0.112
28.D4-250	250	-15...+80	1900	330	100	0.300
28.D4-1L	1000	-15...+80	1900	330	100	0.887
-	-	-	-	-	-	-
28.D5-020	20	-5...+80	7300	1200	295	0.055
28.D5-050	50	-5...+80	7300	1200	295	0.113
28.D5-1L	1000	-5...+80	7300	1200	295	0.899

The Microgliss D group is declined with several increasing viscosities from D-2 to D-5. These oils are a mixture of mineral and refined vegetable oils with special additives to provide very good stability and good resistance to pressure.

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

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

Blue-green (D2 and D3) and brown-green (D4 and D5) aspects.



Moebius Microgliss (Group H)

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.H10-020	20	0...+120	17000	11000	9500	0.055
28.H10-050	50	0...+120	17000	11000	9500	0.110
28.H10-250	250	0...+120	17000	11000	9500	0.300
28.H10-1L	1000	0...+120	17000	11000	9500	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.

Colourless aspect.



Moebius Microgliss TH7-SC

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.TH7-002	2	-30...+110	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.

Colourless aspect.



Moebius Microgliss I31

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.I31-250	250	-35...+200	1500	500	210	0.558
28.I31-1L	1000	-35...+200	1500	500	210	1.920

Low viscosity silicone oil, exhibiting a good lubricity with respect to standard silicone oils. This lubricant exhibits exceptional stability and an excellent phase separation with regards to water. It is ideal for high temperature applications requiring sufficient lubricity.



Moebius Microgliss I4

MSA	ml	Temp. ° C	Visc. 0° C	Visc. 20° C	Visc. 40° C	Kg
28.I4-250	250	-35...+200	3100	1000	405	0.558
28.I4-1L	1000	-35...+200	3100	1000	405	1.920

Rather viscous silicone oil, exhibiting good lubricity with respect to silicone standard oils. This lubricant exhibits exceptional stability and an excellent phase separation with regards to water. It is ideal for high temperature applications requiring sufficient lubricity.

Light green aspect.