- Oxygen Stability
- Photostability
- Allergen-free
- Used for skincare, color, hair care and sun care

TETRAFLOW®

- Sensorial properties from very fluid and volatile emollients to very rich and with high viscosity
- Short half-life, odorless, and SVHC-free

The Innovation Company®

Tetraflow® are part of our new product range of silicone substitutes. Those products are of synthetic nature. They have the same benefits of silicones but with a safer composition for humans. Today, we look simply at the main good functions only of any materials we are asked to substitute. We look to our ingredients in a new manner as safety tests with the skin and human body.

TETRAFLOW® BENEFITS:

SKIN CARE:

Tetraflow® are ideal base materials for day care products since they are photostable and hence, prevent the UV-light induced formation of free radicals in the formulation. Our large range covers all types of cosmetic formulas.

COLOR CARE:

Tetraflow® are suitable for all types of color care applications in which emolliency and softness are desired. Some volatile Tetraflow® products allow to get a makeup that dries quickly. We also have products that allow a glossy effect and film former for lipglosses, for longer lasting.

HAIR CARE:

Tetraflow® can be used as emollients in hair care products. They have a detangling effect while bringing softness, shine and volume.

SUN CARE:

Tetraflow® are excellent emollients for sun care products, as they are completely photostable and waterproof. They are fully branched.

TETRAFLOW® REFERENCES AVAILABLE:

Names	INCI Names	Tribology	Flash Point	Zetapotentiel pH 5,3	Zetapotentiel pH 6,0	Zetapotentiel pH 7,38	Surface Tension
Tetraflow® D4	Hydrogenated Polyisobutene, C18-24 Isoalkane	0,02867	< 60°C	-17,9	-34,3	-45,8	20 -30 mN/m
Tetraflow® D5	Hydrogenated Polyisobutene, C18-24 Isoalkane	0,02882	< 60°C	-39,5	-39,7	-64,5	20 -30 mN/m
Tetraflow® D6 VOL	Hydrogenated Polyisobutene, C18-24 Isoalkane, Tridecyl Trimellitate	0,02882	50,5°C	-39,5	-39,7	-64,5	20 -30 mN/m
Tetraflow® DM 1	Hydrogenated Polyisobutene, C15-19 Isoalkane	0,06745	< 60°C	-52,7	-61,3	-61	15 -25 mN/m
Tetraflow® DM 1,5	Hydrogenated Polyisobutene, C15-19 Isoalkane	0,02924	> 70°C	-45,9	-49,3	-30,1	20 -30 mN/m
Tetraflow® DM 5	C15-19 Isoalkane, Hydrogenated Polyisobutene	0,03289	> 70°C	-44,4	-21,4	-30,7	20 -30 mN/m
Tetraflow® DM 10	C15-19 Isoalkane, Ethylene / Propylene Copolymer	0,02867	> 95°C	-41,94	-30,7	-54	20 -30 mN/m
Tetraflow® DM 20	C18-24 Isoalkane, Hydrogenated Polyisobutene, C15-19 Isoalkane, Ethylene / Propylene Copolymer	0,05923	> 95°C	-11,5	-38,3	-6,8	20 -30 mN/m
Tetraflow® DM 50	C18-24 Isoalkane, Tridecyl Trimellitate, Ethylene / Propylene Copolymer	0,04753	> 95°C	-48,7	-58,1	-64	25 -35 mN/m
Tetraflow® DM 100 LV	C18-24 Isoalkane, Tridecyl Trimellitate	0,03159	> 95°C	-47,3	-59,3	-66,9	25 -35 mN/m
Tetraflow® DM 200 LV	C18-24 Isoalkane, Hydrogenated Polyisobutene, Tridecyl Trimellitate	0,02598	> 95°C	-22,5	-23,4	-22,9	25 -35 mN/m
Tetraflow® DM 350 LV	Hydrogenated Polyisobutene, C18-24 Isoalkane, Tridecyl Trimellitate	0,02647	> 95°C	-34,5	-39,1	-51,3	25 -35 mN/m
Tetraflow® DM 500 VLV	Hydrogenated Polyisobutene, C18-24 Isoalkane, Tridecyl Trimellitate	0,01444	> 80°C	-66,6	-76,2	-75,9	25 -35 mN/m

TETRAFLOW® REFERENCES AVAILABLE:

Names	INCI Names	Tribology	Flash Point	Zetapotentiel pH 5,3	Zetapotentiel pH 6,0	Zetapotentiel pH 7,38	Surface Tension
Tetraflow® DM 1K	Hydrogenated Polyisobutene, C18-50 Isoalkane, Tridecyl Trimellitate, C15-19 Isoalkane, Ethylene / Propylene Copolymer	0,02712	> 95°C	-29,1	-22,9	-40,2	25 -35 mN/m
Tetraflow® DM 12K	Hydrogenated Polyisobutene, C18-50 Isoalkane, Tridecyl Trimellitate, Ethylene / Propylene Copolymer	0,07705	> 95°C	-63,4	-50,1	-71,7	20 -30 mN/m
Tetraflow® DM 60K	Hydrogenated Polyisobutene, C18-50 Isoalkane, Tridecyl Trimellitate, Ethylene / Propylene Copolymer	0,12338	> 95°C	-31,1	-49,3	-45,1	15 -25 mN/m
Tetraflow® DM 300K	Hydrogenated Polyisobutene, Ethylene / Propylene Copolymer, Tridecyl Trimellitate, C18-50 Isoalkane	0,1328	> 95°C	-42,6	-30,5	-32,5	10 -15 mN/m
Tetraflow® DM1,5 WAX LV	Hydrogenated Polyisobutene, C15-19 Isoalkane, C18-24 Isoalkane	0,04589	>95°C	N / A	N / A	N / A	N / A
Tetraflow® DDC	C15-19 Isoalkane, Silica, Hydrogenated Polyisobutene	0,28326	> 95°C	N / A	N / A	N / A	N / A
Tetraflow® DDPC	C15-19 Isoalkane, Silica, Ethylene / Propylene Copolymer	0,18367	> 95°C	N / A	N / A	N / A	N / A
Tetraflow® PM	C18-24 Isoalkane, C15-19 Isoalkane, Ethylene / Propylene Copolymer	0,04215	> 80°C	-44,5	-50,7	-37	20 -30 mN/m
Tetraflow® CM	C15-19 Isoalkane, Ethylene / Propylene Copolymer	0,03187	> 95°C	-40,7	-28,1	-17,8	20 -30 mN/m
Tetraflow® DML	C18-24 Isoalkane, C15-19 Isoalkane, Ethylene / Propylene Copolymer	0,02509	> 95°C	-54,8	-26,9	-53,9	10 -20 mN/m

Any queries on any silicones from volatile to elastomer types, please don't hesitate to contact us. After all, we are the world specialists and experts, as you can see by the testing already in place. We are here to help our customers by choosing the right material for their formulas. We have also some formulation guidelines to share if needed.

TETRAFLOW® (CHINA) REFERENCES AVAILABLE:

Names	INCI Names	Tribology	Flash Point	Zetapotentiel pH 5,3	Zetapotentiel pH 6,0	Zetapotentiel pH 7,38	Surface Tension
Tetraflow® D4 (CHINA)	Hydrogenated Polyisobutene, C20-24 Olefin	0,02867	< 60°C	-17,9	-34,3	-45,8	20 -30 mN/m
Tetraflow® D5 (CHINA)	Hydrogenated Polyisobutene, C20-24 Olefin	0,02882	< 60°C	-39,5	-39,7	-64,5	20 -30 mN/m
Tetraflow® D6 VOL (CHINA)	Hydrogenated Polyisobutene, C20-24 Olefin, Tridecyl Trimellitate	0,02882	50,5°C	-39,5	-39,7	-64,5	20 -30 mN/m
Tetraflow® DM 1 (CHINA)	Hydrogenated Polyisobutene, C15-19 Alkane	0,06745	< 60°C	-52,7	-61,3	-61	15 -25 mN/m
Tetraflow® DM 1,5 (CHINA)	Hydrogenated Polyisobutene, C15-19 Alkane	0,02924	> 70°C	-45,9	-49,3	-30,1	20 -30 mN/m
Tetraflow® DM 5 (CHINA)	C15-19 Alkane, Hydrogenated Polyisobutene	0,03289	> 70°C	-44,4	-21,4	-30,7	20 -30 mN/m
Tetraflow® DM 10 (CHINA)	C15-19 Alkane, Ethylene / Propylene Copolymer	0,02867	> 95°C	-41,94	-30,7	-54	20 -30 mN/m
Tetraflow® DM 20 (CHINA)	C20-24 Olefin, Hydrogenated Polyisobutene, C15-19 Alkane, Ethylene / Propylene Copolymer	0,05923	> 95°C	-11,5	-38,3	-6,8	20 -30 mN/m
Tetraflow® DM 50 (CHINA)	C20-24 Olefin, Tridecyl Trimellitate, Ethylene / Propylene Copolymer	0,04753	> 95°C	-48,7	-58,1	-64	25 -35 mN/m
Tetraflow® DM 100 LV (CHINA)	C20-24 Olefin, Tridecyl Trimellitate	0,03159	> 95°C	-47,3	-59,3	-66,9	25 -35 mN/m
Tetraflow® DM 200 LV (CHINA)	C20-24 Olefin, Hydrogenated Polyisobutene, Tridecyl Trimellitate	0,02598	> 95°C	-22,5	-23,4	-22,9	25 -35 mN/m
Tetraflow® DM 350 LV (CHINA)	Hydrogenated Polyisobutene, C20-24 Olefin, Tridecyl Trimellitate	0,02647	> 95°C	-34,5	-39,1	-51,3	25 -35 mN/m
Tetraflow® DM 500 VLV (CHINA)	Hydrogenated Polyisobutene, C20-24 Olefin, Tridecyl Trimellitate	0,01444	> 80°C	-66,6	-76,2	-75,9	25 -35 mN/m
Tetraflow® DM 1K (CHINA)	Hydrogenated Polyisobutene, C30-45 Olefin, Tridecyl Trimellitate, C15-19 Alkane, Ethylene / Propylene Copolymer	**0,02712**	> 95°C	29,1	-22,9	-40,2	25 -35 mN/m

TETRAFLOW® (CHINA) REFERENCES AVAILABLE:

Names	INCI Names	Tribology	Flash Point	Zetapotentiel pH 5,3	Zetapotentiel pH 6,0	Zetapotentiel pH 7,38	Surface Tension
Tetraflow® DM 12K (CHINA)	Hydrogenated Polyisobutene, C30-45 Olefin, Tridecyl Trimellitate, Ethylene / Propylene Copolymer	0,07705	> 95°C	-63,4	-50,1	-71,7	20 -30 mN/m
Tetraflow® DM 60K (CHINA)	Hydrogenated Polyisobutene, C30-45 Olefin, Tridecyl Trimellitate, Ethylene / Propylene Copolymer	0,12338	> 95°C	-31,1	-49,3	-45,1	15 -25 mN/m
Tetraflow® DM 300K (CHINA)	Hydrogenated Polyisobutene, Ethylene / Propylene Copolymer, Tridecyl Trimellitate, C30-45 Olefin	0,1328	> 95°C	-42,6	-30,5	-32,5	10 -15 mN/m
Tetraflow® DM1,5 WAX LV (CHINA)	Hydrogenated Polyisobutene, C15-19 Alkane, C20-24 Olefin	0,04589	>95°C	N / A	N / A	N / A	N / A
Tetraflow® DDC (CHINA)	C15-19 Alkane, Silica, Hydrogenated Polyisobutene	0,28326	> 95°C	N / A	N / A	N / A	N / A
Tetraflow® DDPC (CHINA)	C15-19 Alkane, Silica, Ethylene / Propylene Copolymer	0,18367	> 95°C	N / A	N / A	N / A	N / A
Tetraflow® PM (CHINA)	C20-24 Olefin, C15-19 Alkane, Ethylene / Propylene Copolymer	0,04215	> 80°C	-44,5	-50,7	-37	20 -30 mN/m
Tetraflow® CM (CHINA)	C15-19 Alkane, Ethylene / Propylene Copolymer	0,03187	> 95°C	-40,7	-28,1	-17,8	20 -30 mN/m
Tetraflow® DML (CHINA)	C20-24 Olefin, C15-19 Alkane, Ethylene / Propylene Copolymer	0,02509	> 95°C	-54,8	-26,9	-53,9	10 -20 mN/m
TETRAFLOW MOS 30 (CHINA)	C15-19 Alkane	0,04166	> 95°C	-23,2	-32,8	-42,9	20 -30 mN/m
TETRAFLOW MOS 35 (CHINA)	C18-21 Alkane	0,04839	> 95°C	-25,9	-36,9	-42,4	20 -30 mN/m
TETRAFLOW MOS 45 (CHINA)	C18-21 Alkane	0,06288	> 95°C	-23,5	-33,1	-43,1	25 -35 mN/m
TETRAFLOW MOS 80 (CHINA)	C18-21 Alkane	0,04462	> 95°C	-31,4	-39	-55,7	25 -35 mN/m
TETRAFLOW MOS 100 (CHINA)	C18-21 Alkane, Tridecyl Trimellitate	0,03917	> 95°C	-55	-60,7	-77	25 -35 mN/m
TETRAFLOW MOS 130 (CHINA)	C18-21 Alkane, Tridecyl Trimellitate	0,03539	> 95°C	-53,2	-60,9	-69,8	25 -35 mN/m
TETRAFLOW MOS 350 (CHINA)	Tridecyl Trimellitate, C18-21 Alkane	0,02053	> 95°C	-51,3	-59,4	-61,3	25 -35 mN/m

TETRAFLOW® (CHINA) REFERENCES AVAILABLE:

Any queries on any silicones from volatile to elastomer types, please don't hesitate to contact us. After all, we are the world specialists and experts, as you can see by the testing already in place. We are here to help our customers by choosing the right material for their formulas. We have also some formulation guidelines to share if needed.