

CoatOSil™ 2816

Description

CoatOSil 2816 coating additive is a linear methyl end-capped ABA silicone-polyether (EO/PO) block copolymer. Its balance of silicone and polyether content renders it an excellent candidate to consider for use in solvent-borne, water-borne and UV/EB cured systems for wood, industrial and auto refinishing, as well as overprint vanishes and inks.

Key Features and Typical Benefits

- Improved slip and mar resistance
- Reduced coefficient of friction (COF)
- Good compatibility with many resin systems
- Good recoatability
- Low tendency to foam

Typical Physical Properties

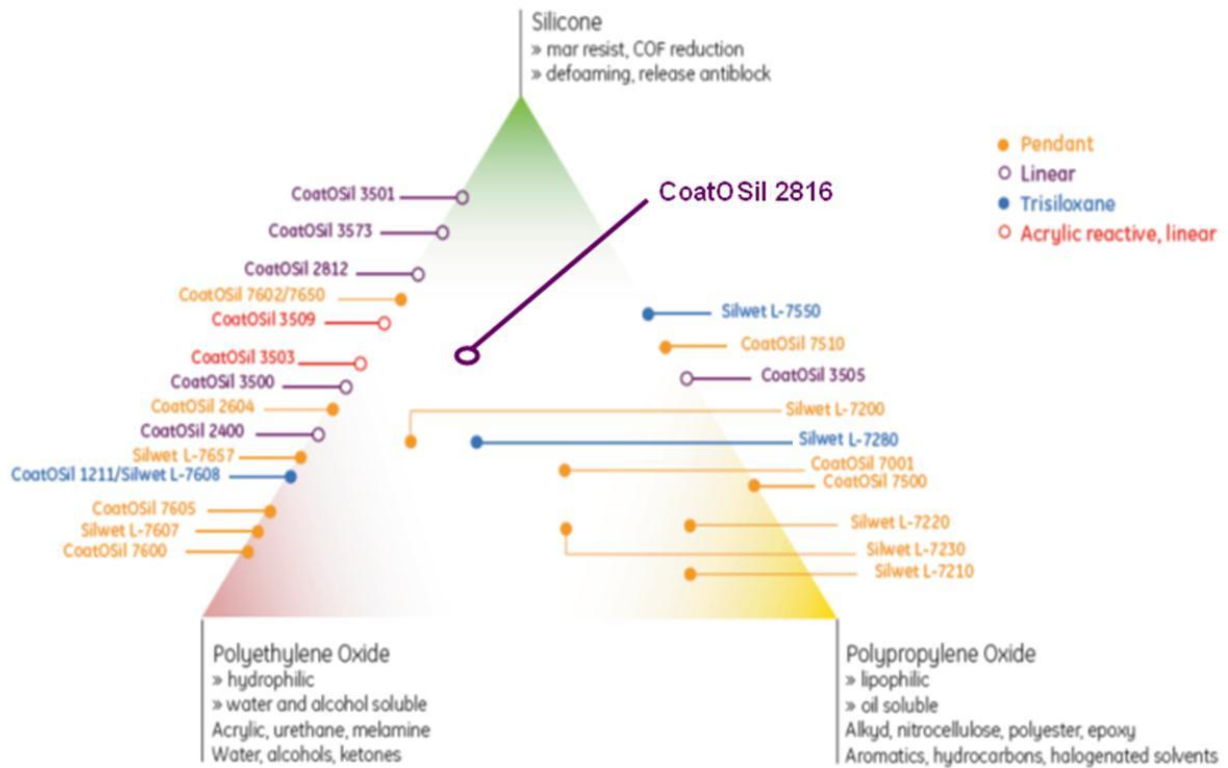
Property	Value
Appearance	yellow liquid
Non-volatile content	99+%
Molecular weight	~3000
Specific Gravity at 25 °C	1.03
Viscosity at 25 °C	~150 cSt
Refractive Index	1.439

Typical properties are average data and are not to be used as or to develop specifications.

Processing Considerations

- Typical recommended dosage is 0.02-1 percent on total formulation
- Easily incorporated with low shear mixing
- May be pre-diluted to simplify adding accurate low addition levels

Compatibility Illustration in the Triangle Diagram CoatOSil and Silwet* Products



Solubilities

D: disperse, S: soluble

mixing ratio parts by weight	1:2	1:9	1:19
Water	S	S	S
IPA	S	S	S
Butyl acetate	S	S	S
dimethylbenzene	S	S	S
Petroleum ether	D	D	D
n-hexane	D	D	D
Propylene glycol monomethyl ether	S	S	S

Patent Status

Standard copy to come

Product Safety, Handling and Storage

Standard copy to come

Limitations

Standard copy to come

Contact Information

Email

commercial.services@momentive.com

Telephone

Americas	Latin America	EMEAI- Europe, Middle East, Africa & India	ASIA PACIFIC
+1 800 295 2392	Brazil	Europe	China
Toll free*	+55 11 4534 9650	+390510924300	800 820 0202
+704 805 6946	Direct Number	Direct number	Toll free
Direct Number			+86 21 3860 4892
			Direct number
*All American countries	Mexico	India, Middle East & Africa	Japan
	+52 55 2169 7670	+ 91 44 71212207	+81 3 5544 3111
	Direct Number	Direct number*	Direct number
		*All Middle Eastern countries, Africa, India,	Korea
			+82 2 6201 4600

For literature and technical assistance, visit our website at: www.momentive.com

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