



## Pigment Dispersants and Emulsifiers for Liquid Color

Vantage manufactures several surfactants that serve as pigment dispersants, stabilizers, and primary and secondary emulsifiers. We offer emulsifiers with a variety of HLB values and oil or water solubilities.

Vantage also manufactures a variety of polyethylene glycols for use as stabilizers, rheology modifiers and pigment dispersants. Our tightly-controlled polymerization processes allow us to offer a range of molecular weights to suit specific formulation and application needs.

Vantage supplies the colorant industries with base fluids to be used as solvents and carriers. These plant-derived products are readily biodegradable oils that serve the growing demand to replace mineral oils and natural analogs. Vantage's soybean and canola oils are currently used as pigment carriers, mineral oil replacements in urethane applications and as cleaning solvents.

Type	Trade Name	Appearance	Pour Point (°C)	HLB	FDA Clearances
Polysorbates	LUMISORB PSTO-20 MO	Liquid	-20	10.3	178.3400
	LUMISORB PSMO-20 FGK	Liquid	-14	15.0	73.1001, 172.515, 172.840, 178.340, 175.105, 178.3400
Sorbitan Esters	LUMISORB SMO K	Liquid	-18.5	4.7	73.1001, 173.750, 175.105, 178.3400
	LUMISORB SMO I	Liquid	-22	4.3	73.1001, 173.750, 175.105, 178.3400
	LUMISORB STO MO	Liquid	-37	1.8	73.1001, 178.3400
	LUMISORB STO B	Liquid	-37	1.8	73.1001, 178.3400
Polyethylene Glycol	LUMULSE PEG 200	Liquid	-	20.0	172.210, 172.820, 173.310, 173.340, 175.105, 178.3750
	LUMULSE PEG 300	Liquid	-11	20.0	172.210, 172.820, 173.310, 173.340, 175.105, 178.3750
	LUMULSE PEG 400	Liquid	6	20.0	172.210, 172.820, 173.310, 173.340, 175.105, 178.3750
Polyethylene Glycol Esters	LUMULSE 22-O	Liquid	-	6.0	175.105
	LUMULSE 42-O K	Liquid	6	8.8	173.340, 175.105, 176.2000
Vegetable Oils	OLEOCAL C-102	Liquid	-12	-	184.1555
	OLEOCAL IVO-114 K	Liquid	-7	-	184.1555

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## About Us

Vantage Specialties, formerly Lambent Technologies, is a manufacturer of high-quality, naturally-derived specialty chemicals and intermediates for a broad range of industrial and consumer applications. Vantage's strengths are in surfactants, emulsifiers, performance additives, and other specialty blends synthesized using esterification and alkoxylation chemistries. Along with unparalleled technical support, Vantage also custom manufactures intermediate and finished products for strategic customers in its core markets.

In recent years, Vantage has optimized its portfolio of oleochemical derivatives and specialty silicones to better serve customers. Vantage's strategy is to continue to further expand its portfolio and application knowledge in each key market to provide its customers with innovative products and technical support.

Vantage addresses unmet needs in the marketplace by delivering innovative as well as industry standard solutions. Strategically located 35 miles north of Chicago, IL offers prompt service and turnaround time for the US market. The multi-functional manufacturing facility, complete with state-of-the-art process and lab equipment, has an outstanding safety record along with many widely recognized quality certifications including cGMP, ISO 9001:2008, FSSC 22000, Kosher and Kosher for Passover (OU), USP/NF, Halal, and food grade certified production.

## Values & Vision

The long term success of Vantage is the result of our company culture that places high value on customer responsiveness. We take pride in our ability to define ourselves as a customer-centric specialty chemical company. All members of Vantage work to cultivate a friendly environment that adds a "warm human touch" to each and every customer interaction. We strive to be a preferential provider that easily works within our customers' constraints. Vantage does this by seeking out and focusing on our customers' needs, helping to achieve their specific goals and by creating an excellent customer experience with each and every interaction.

Our values are built on a foundation of environmental responsibility, site safety and business ethics. We do our utmost, at all times, to treat our customer base with eagerness to accommodate, quick responsiveness and helpful support. We operate with a decentralized management structure, recognizing that often the best decisions are made by our accountable, responsible and well-versed employees.

Our vision- Every day, we build trust and create value.