

 Vantage





HISTORY and ABOUT US

Vantage Specialties manufactures a wide array of functional ingredients and oleochemical derivatives including esters, alkoxyates, antifoam, specialty blends and encapsulated products. Vantage was founded in 1952 as Hodag Chemical. Today, we are proud to offer a diverse range of specialty chemicals for oilfield, industrial and consumer applications. Our state-of-the-art facility in Gurnee, IL is the primary manufacturing site and headquarters for Vantage Specialties. We also have a manufacturing facility in Englewood, OH where we manufacture encapsulated products for a variety of markets.

INNOVATION

The evolving preferences of today's consumer and our customers drive Vantage's development of groundbreaking products. We eagerly tackle new challenges utilizing our application capabilities to design new technologies for the markets that we serve.

QUALITY POLICY

We are committed to providing products and services that meet or exceed our customer's expectations. With the full participation of every employee, we will foster continuous improvement of our quality management processes to ensure that these expectations are realized in an innovative and cost effective manner.

PROCESS CAPABILITIES

Our Gurnee production facility is ideal for the manufacture of esters and alkoxyates, Vantage's two largest volume processes, along with silicone emulsions and derivatives. In addition to 25 reactors, the facility boasts 3 rail spurs with 7 unloading spots, 9 loading docks and over 900,000 gallons of storage capacity for increased materials handling.

Esterification

Fatty Esters
Glycerol Esters
Methyl Esters
PEG Esters
Phosphate Esters
Polyglycerol Esters
Propoxylated Esters
Sorbitan Esters
Sorbitan Esters

Alkoxylation

Ethoxylated Alcohols
Ethoxylated Amines
Ethoxylated Esters
Ethoxylated Glycerine
Ethoxylated Sorbitol
EO/PO Copolymers
PEGs
Polysorbates

Silicones/Silanes

Silicone Emulsions
Silicone Fluids
Functionalized Silicones

Antifoams

Silicone
Non-silicone

Vegetable Oils

Canola Oil
High Oleic Canola Oils
HEAR Oil

CUSTOM AND CONTRACT CHEMICAL MANUFACTURING

Vantage currently engages in custom and contract manufacturing for customers requiring specific specialty chemical needs. Our business team and research staff work with our customers to execute the best total solution. These business transactions are conducted under terms of strict confidentiality.

CUSTOMER CENTRIC APPROACH

Vantage customizes our services to maximize each and every customer experience. This is achieved by our dedicated customer service staff, attentive and knowledgeable sales and technical teams as well as timely delivery of our products.

TRADE NAME	PRIMARY DESCRIPTION	ATTRIBUTE							TYPICAL PROPERTIES		
		Lubricity/Additive	Emulsifier	Wetting Agent	Corrosion Inhibitor	Surface Tension Reducer	Dispersant	Foamers	HLB	Pour Point, °C	Form @ 25 °C
LUMISORB® PSML-20 K	Polysorbate 20		●	●		●			16.7	-10	clear liquid
LUMISORB PSMO-20 FGK	Polysorbate 80	●	●	●		●			15	-14	clear liquid
LUMISORB PSTO-20 MO	Polysorbate 85		●	●		●			10.3	-20	clear liquid
LUMISORB PSMO-5 K	Polysorbate 81	●	●	●		●			10	-17	clear liquid
LUMISORB SML V	Sorbitan monolaurate	●	●						8.6	13	amber liquid
LUMISORB SMO I	Sorbitan monooleate	●	●						4.3	-22	yellow liquid
LUMISORB GMO K	Glycerol monooleate	●	●						3.8	13.5	yellow liquid
LUMISORB SSO	Sorbitan sesquioleate	●	●				●		3.7	-12	yellow liquid
LUMULSE® GMT-40	Glycerol monotallate	●	●						2.8	-18	amber liquid
LUMISORB STO MO	Sorbitan trioleate	●	●						1.8	-37	amber liquid
LAMCHEM® 1218	Modified cocoamide DEA	●	●	●						-6	amber liquid
LUMULSE 1061-L	EO/PO block copolymer	●	●						3	-30	clear liquid
LUMULSE 1062-L	EO/PO block copolymer	●	●						7	-4	clear liquid
LUMULSE 2017-R	EO/PO block copolymer	●	●						8	-25	clear liquid
LUMULSE 2025-R	EO/PO block copolymer	●	●						6.3	-5	clear liquid
LUMULSE 4017-R	EO/PO block copolymer	●	●						9	10	clear liquid
LUMULSE CO-25	Ethoxylated castor oil	●	●	●					10.8	5	yellow liquid
LUMULSE CO-30	Ethoxylated castor oil	●	●	●					11.5	9	yellow liquid
LUMULSE CO-40	Ethoxylated castor oil	●	●	●					13	14	yellow liquid
LUMULSE EST-300	High erucic acid rapeseed alkoxylate	●	●	●					16	-5	yellow liquid
LUMULSE EST-500 LF	Alkoxylated linear alcohol		●	●			●		10	-9	clear liquid
LUMULSE EST-520	Alkoxylated lauryl alcohol		●	●							clear liquid
LUMULSE EST-610	EO/PO block copolymer dioleate	●	●	●					5	0	yellow liquid

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		Lubricity Additive	Emulsifier	Wetting Agent	Corrosion Inhibitor	Surface Tension Reducer	Dispersant	Foamers	HLB	Pour Point, °C	Form @ 25 °C
LUMULSE GML K	Glycerol monolaurate	●	●	●					5.2	26	yellow liquid
LUMULSE HCO-16T	Ethoxylated hydrogenated castor oil	●	●						9.1		yellow liquid
LUMULSE HCO-25	Ethoxylated hydrogenated castor oil	●	●						10.8	5	yellow liquid
LUMULSE HCO-40	Ethoxylated hydrogenated castor oil	●	●						14		yellow liquid
LUMULSE PEG 200	Polyethylene glycol 200		●						20		clear liquid
LUMULSE PEG 300	Polyethylene glycol 300		●						20	-11	clear liquid
LUMULSE PEG 400	Polyethylene glycol 400		●						20	6	clear liquid
LUMULSE PEG 600	Polyethylene glycol 600		●						20	20	clear liquid
OLEOCAL® C-102	Canola oil	●	●							-18	yellow liquid
OLEOCAL C-104	High oleic canola oil	●								-15	yellow liquid
OLEOCAL ME-112	Methyl canolate	●								-15	yellow liquid
OLEOCAL ME-130	Methyl soyate	●								-6	yellow liquid
OLEOCAL ME-70 V	Methyl oleate	●								7	yellow liquid
POLYCAL® TMP 18-1	TMP trioleate	●								-42	yellow liquid
ERUCICAL® H-102	High erucic acid rapeseed oil	●								12	yellow liquid
ERUCICAL H-107	Erucic acid	●								11	yellow liquid
LUMULSE POE (2) OLEYLAMINE	Ethoxylated oleylamine									1	amber liquid
LAMCHEM PE-130 K	Phosphated mono and diglycerides	●	●		●				3	-8	opaque liquid
LAMCHEM PE-108 K	Phosphated mono and diglycerides	●	●		●				3	-15	clear liquid
LUMULSE EST 916	Ethoxylated C9-C11 alcohol		●	●		●			12.4	6	clear liquid
LUMULSE EST 918	Ethoxylated C9-C11 alcohol		●	●		●			13.9	15	clear liquid
LUMULSE EST 2365	Ethoxylated C9-C11 alcohol		●	●		●			11.9	19	clear liquid
LUMULSE EST 257	Ethoxylated C12-C13 alcohol		●	●		●			12.2	20	clear liquid

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