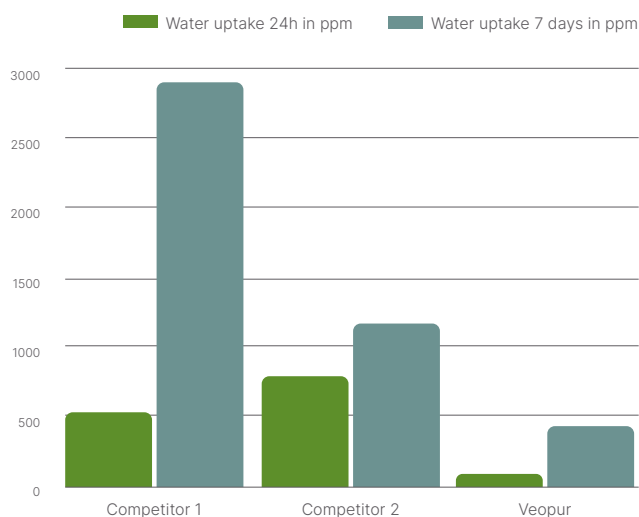


Why using VEOPUR Polyols

- **Hydrophobic & Durable** – Long-lasting resistance to moisture.
- **Exceptional Chemical Resistance** – Ensures long-term stability and protection.
- **Protects Against Solvents & Moisture** – Maintains performance and integrity even in challenging environments.
- **Optimized Flexibility** – Tailored molecular structures for mechanical properties.
- **Customizable Hardness** – Adaptable to achieve the perfect balance of toughness and flexibility.
- **Multi-Functional Reactivity** – Enhanced crosslinking and adhesion adaptability.
- **Bio-Based & Sustainable** – Natural oil-derivates, reducing reliance on fossil fuels.
- **Easy to Formulate** – Easily integrates into both new and existing formulations.
- **Cost-Effective** – High performance at a competitive price.



Bio-Based & Sustainable Innovation

Why Castor Oil?

Castor oil is a high-performance bio-based building block. Its unique molecular structure enhances reactivity, flexibility, and adhesion without compromising sustainability.

Sustainability at Vandeputte

- Using 100% renewable electricity in our production.
- Reducing water consumption through optimized processes.
- Switching to electric trucks for sustainable transport.
- Leverage our waste streams to produce energy.



Formulate the Future with Vandeputte

Ready to innovate? Discover how our Natural Oil Polyols & Flexibilizers can improve your formulations.

Contact us to request additional information or visit us at www.vandeputte.com.

VANDEPUTTE

NATURAL OIL POLYOLS

Sustainable & Versatile Solutions
for the CASE Market

Family Owned Company Since 1887
www.vandeputte.com

Our Natural Oil Polyols

At VANDEPUTTE, we offer premium Natural Oil Polyols designed for high-performance industrial applications. Our tailored bio-based polyols offer superior results in **coatings, adhesives, sealants, and elastomers** (CASE). Manufactured in Europe, we ensure top-quality production while supporting sustainable solutions. As a family-owned company, we take pride in delivering excellence. Thanks to our high flexibility, we develop and manufacture customized solutions, tailored to your applications.

NATURAL OIL POLYOLS	Acid Value, max (mgKOH/g)	Gardner Colour, max	Hydroxyl Value (mgKOH/g)	Viscosity 20°C (dPa.s)	Water content, max (ppm)	Bio-based content, min (%)	Pot Life with MDI min	Shore A Hardness	Shore D Hardness	Elongation at Break	Adhesive Sealant	Potting resin	Foam	Flooring	PU 2K and PU dispersions
CASTOR OILS															
Castor Oil FSG/N°1	2	3	160 min	+/- 10	2500	100	30	-	20		X	X	X	X	
Castor Oil Low Moisture	2	4	160 min	+/- 10	500	100	30	-	20				X	X	
Castor Oil Low Acid	0,7	3	160 min	+/- 10	2500	100	55	-	20		X	X	X		
Castor oil Pale Pressed	1,5	2	160 min	+/- 10	2500	100	40	-	20		X	X	X	X	
Partially Dehydrated Castor Oil - 120	5	6	115 - 125	+/- 7	500	99	99	56	-				X	X	
Partially Dehydrated Castor Oil - 80	5	6	70 - 90	+/- 6	500	99	99	52	-				X	X	
CASTOR OIL POLYESTERS															
VEOPUR 759 - 080	3	4	75 - 85	15 - 22	500	99	190	57	-				X		
VEOPUR 759 - 050	3	4	45 - 55	20 - 30	500	99	-	32	-				X		
CASTOR OIL POLYETHER-ESTERS															
VEOPUR 758 - 170	2	6	150 - 175	30 - 40 (23°C)	1000	80	49	-	53	73	X	X		X	
VEOPUR 758 - 173	2	6	155 - 175	30 - 45 (23°C)	1000	75	43	-	55	65	X	X		X	
VEOPUR 758 - 174	2	6	155 - 175	20 - 30 (23°C)	1000	85	54	-	45	116				X	
VEOPUR 757 - 230	2	6	210 - 240	11 - 16 (23°C)	1000	60	54	-	73	70	X	X		X	
VEOPUR 755 - 261	2	6	210 - 250	20 - 30 (23°C)	1000	60	47	-	69	9	X			X	
VEOPUR 754 - 185	2	6	175 - 195	8 - 11	1000	90	52	-	23	64				X	
VEOPUR 754 - 215	2	6	200 - 230	7 - 10	1000	80	54	-	60	52	X			X	
DIFUNCTIONAL POLYOLS															
VEOPUR 720 - 234	2	8	50 - 60	5 - 11 (80°C)	1000	38					X				X
VEOPUR 720 - 242	2	8	50 - 60	+/- 55 (40°C)	1000	75					X				X
VEOPUR 720 - 241	2	8	30 - 40	80 - 140 (40°C)	1000	78					X				X
VEOPUR 721 - 185	2	7	165 - 180	20 - 35	1000	55					X				X
VEOPUR 721 - 070	1,5	7	65 - 75	80 - 120	1000	75					X				X
VEOPUR 721 - 045	1,5	7	40 - 50	+/- 250	1000	75					X				

Oil Type	Main Usage	Versatility	Sustainability
Castor	Inks, coatings, adhesives, resins	Excellent adhesion, water resistance, flexibility	Grown in harsh environments
Linseed	Inks, coatings, varnishes, paints	Fast drying, hard resins	Grown with few inputs, low carbon footprint
Safflower	Coatings, paints	Semi-drying, non-yellowing	Drought-tolerant crop that thrives in dry climates
Sunflower	Alkyd resins, paints, coatings	Semi-drying, low yellowing	Low carbon footprint
Soybean	Alkyd resins, paints, coatings	Semi-Drying, Cost-effective	Renewable resource
Tung	Coatings, paints, varnishes, wood	Fast drying, hard resins, scratch-resistant	Agroforestry
Polymerised	Inks, coatings, varnishes, paints	Improve gloss, viscosity, hydrophobicity. Good wetting	Low CO2 production process
Oxidised	Inks, coatings, varnishes, paints	Improve polarity, adhesion. Rheology modifier.	Low CO2 production process

Bio-based Oils and Derivatives for your Industry

Our bio-based oils offer excellent adhesion, water resistance, and flexibility, ensuring that your products maintain superior performance over time.

With a wide range of fatty acids, our oils can be easily modified to meet the specific needs of your applications, whether for coatings, adhesives, or sealants.

Our site in Belgium situated in the heart of Europe is designed for precision, efficiency, and minimal environmental impact.

Every day, we work to improve our sustainability by:

- Reducing water consumption through optimized processes.
- Using 100% renewable electricity in our production.
- Switching to electric trucks for sustainable transport.
- Leverage our waste streams to produce energy.

By choosing our bio-based Oils and Derivatives, you are not just enhancing product performance-you are making a conscious choice for a greener future.



Formulate the Future with Vandeputte

Discover how our Vegetables Oils and Derivatives can elevate your products. Contact us to request additional information or visit us at www.vandeputte.com.

VANDEPUTTE

VEGETABLE OILS & DERIVATIVES


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Family Owned Company Since 1887
www.vandeputte.com

Sustainable Performance, Powered by Nature

Our Vegetable Oils and Derivatives

VEGETABLE OILS	Viscosity 20°C (dPa.s)	Acid Value (mgKOH/g)	Colour (Gardner)	Iodine Value (gI2/100g)	Unsaturated Fatty Acid (%)		
					C18:2	C18:3	Other
Raw Linseed Oil	0,5	4 max	13 max	175 min	12 - 18	50 - 62	-
Refined Linseed Oil	0,5	1 max	4 max	175 min	12 - 18	50 - 62	-
Pale Refined Linseed Oil	0,5	1 max	3 max	175 min	12 - 18	50 - 62	-
High Iodine Value Linseed Oil	0,5	1 / 4 max	3 / 13 max	200 min	12 - 18	66 - 72	-
Castor Oil FSG/N°1	9,5 - 11	2 max	4 max	82 - 90	2,5 - 7	1 max	ricinoleic: 85min
Tung Oil	3 - 4	7 max	8 max	158 min	6 - 8	1 max	conjugated: 80 min
Refined Safflower Oil	0,5	0,6 max	3 max	134 - 148	68 - 83	0,2 max	-
Refined Sunflower Oil	0,5	0,2 max	3 max	120 - 143	48 - 75	0,5 max	-
Refined Soyabean Oil	0,5	0,2 max	4 max	122 - 140	48 - 59	4,5 - 11	-
CASTOR OIL SPECIALTIES	Viscosity 20°C (dPa.s)	Acid Value (mgKOH/g)	Colour (Gardner)	Hydroxyl Value (mgKOH/g)	<p>At VANDEPUTTE, we provide high-quality bio-based oils and derivatives from linseed, castor, tung, and other natural sources. With expertise in fatty acid chemistry, we develop modified oils that deliver outstanding performance for the CASE (Coatings, Adhesives, Sealants) and Elastomers) and Inks industries.</p> <p>Our bio-based oils and derivatives are shipped from our European site in Belgium, ensuring quality and reliability.</p> <p>Choose VANDEPUTTE for performance solutions that drive sustainability forward.</p>		
Dehydrated Castor Oil	3 max	4 max	5 max	25 max			
Partially Dehydrated Castor Oils	8 max	5 max	6 max	70 - 130			
Castor Oil Polyols	10 - 500	2 max	1 - 7	30 - 300			
POLYMERIZED OILS (Standoils)	Viscosity 20°C (dPa.s)	Acid Value (mgKOH/g)	Colour (Gardner)				
Linseed	1 - 900	4 - 12	4 - 10				
Soybean - Safflower - Sunflower	2 - 300	3 - 17	3 - 8				
Tung/linseed	10 - 150	1 - 8	3 - 12				
Dehydrated Castor Oil	45	3 - 8	3 - 5				
BOILED LINSEED OILS	Viscosity 20°C (dPa.s)	Acid Value (mgKOH/g)	Colour (Gardner)	Drying Time (37 µm)			
Pale boiled Linseed Oil	0,7	4	10 max	14 h			
Boiled linseed Oil	0,7 - 1	5	12 max	15 h			
Double Boiled Linseed Oil	0,7	5	12 - 16	14 h			
Double Boiled Linseed oil, High Visco	1 - 1,4	5	16 max	14 h			
Reduced Oils : DBLO Reduced (20-40%)	0,7 - 4	6 (40%)	15 - 18	-			
OXIDIZED OILS (Blown oils)	Viscosity 20°C (dPa.s)	Acid Value (mgKOH/g)	Colour (Gardner)				
Linseed	1 - 100	2 - 8	8 - 15				
Castor	12 - 900	4 - 25	4 - 15				
WATER SOLUBLE OILS	Viscosity 20°C (dPa.s)	Acid Value (mgKOH/g)	Colour (Gardner)				
Linseed - Safflower	0,6 - 30	1 - 9	3 - 6				
VEGETABLE BASED SOLVENTS	Iodine Value (gI2/100g)	Acid Value (mgKOH/g)	Colour (Gardner)				
Linseed - Rapeseed	100 - 175	0,2 - 1	1 - 13				



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