# Voxtar™ M40

## **Product Description**

Voxtar<sup>™</sup> is a Pro-Environment Polyol ready to be dropped into existing formulations. Based on mass balance concept, Voxtar<sup>™</sup> is a partly renewable Pentaerythritol (Penta) product designed to reduce the carbon footprint and supports sustainable sourcing of renewable raw material. Voxtar<sup>™</sup> is third party certified according to the ISCC system which means we have both traceability back to the country of origin ensuring the biomass was sourced in a sustainable way as well as a certified mass balance and greenhouse gas (GHG) calculation. Perstorp offers six grades of Voxtar<sup>™</sup>, M40, M100, D40, D100, E40 and E100, based on 40% and 100% renewable resources.

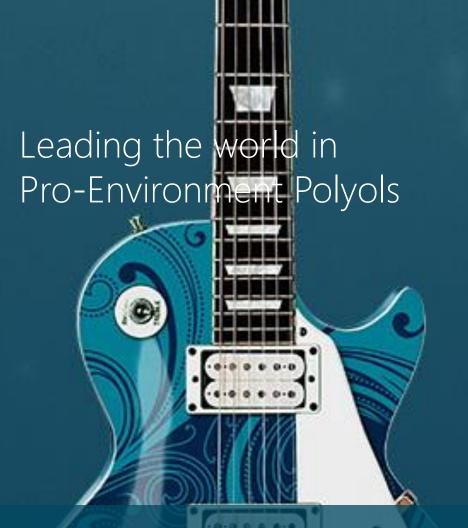
Voxtar<sup>™</sup> M40 is high-purity Monopentaerythritol, a polyhydric alcohol with four primary hydroxyl groups. It is a white crystalline material.

## Segment Applications

Voxtar<sup>™</sup> M40 is used as a building block in water and solvent borne alkyd resins, synthetic lubricants, rosin esters, radiation curing monomers and antioxidants.

#### **Delivery Forms**

25 kg bags, 1000 kg/pallet. 500 kg and 100kg groundable big bags.



Voxtar<sup>™</sup> - the "Rock Star" of renewables. It first hit the charts in 2010 as the world's first renewable Penta. It has become a trendsetter and true legend being able to shrink carbon footprints by up to 80%. Its colorful performance on stage makes it a hit all over the world. Just plug it into your existing process, sit back and listen to the music!



Voxtar<sup>™</sup> M40

#### Sales Specification

Characteristics	Unit	Specification	Analytical Method	Comment
Monopentaerythritol content	%	Min 98.0	PO 115-2	
Hydroxyl number	mg KOH/g	1625-1650	PO 100-2	1
Ash content (as Na)	ppm	Max 15	PO 103-10	

1. As OH-percentage, 49.2-50.0%

Analytical methods are available on request.

#### **General Characteristics**

Characteristics	Unit	Typical value	Comment
Water content	%	0.1	
Phthalic color	Gardner	1	
Melting point (final)	°C	263	

#### **Pro-Environment Information**

Renewable content is 40% based on mass balance concept. Calculated GHG values: Cradle to Gate: 0.9 kg CO<sub>2 eq</sub>/kg Voxtar<sup>M</sup> Cradle to Grave: 1.9 kg CO<sub>2 eq</sub>/kg Voxtar<sup>M</sup> Cradle to Grave is calculated as Cradle to Perstorp gate + end of life assuming all carbon is converted to CO<sub>2</sub>. ISCC PLUS certified product.

CAS No.: 115-77-5 HS No.: 2905 42 REACH registration No.: 01-2119473985-20-0000

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