

Technical Datasheet

Farmsolve-3595™

Composition

Mixture of poly-oxymethylene ethers $\text{CH}_3\text{O}(\text{CH}_2\text{O})_{3-5}\text{CH}_3$

Description

Farmsolve-3595™ is a sustainable solvent and applicable in a broad range of coatings formulations, ink formulations, and cleaners. Farmsolve-3595™ is non-toxic, almost odorless and can be applied as a co-solvent for the reduction of aromatics content in coil, epoxy and PU coatings. In aqueous emulsion paints Farmsolve-3595™ is an excellent coalescing agent. Farmsolve-3595™ is highly compatible with a broad range of resins.

Typical analytical data

Property	Value	Specification	Unit	Test Method
Colorless clear liquid				
Density (15 °C)	1057,2	1050-1060	kg/m ³	DIN EN ISO 12185
Flash point (closed cup)	62,0	> 60	°C	DIN EN ISO 2719
Auto Ignition temperature	230		°C	
Viscosity (40 °C)	1,19	1,15-1,25	mm ² /s	DIN EN ISO 3104
Boiling range	156-242		°C	
Surface Tension	30		Nm/m	
Carbon residue (on 10% dist resid)	< 0,3	< 0,3	% (m/m)	DIN EN ISO 10370
Water Content	190	< 200	mg/kg	DIN EN ISO 12937
Oxidation stability	23		min	DIN EN 16091
Total aromatics content	none		% (m/m)	GC-MS
Sulfur Content	< 5	< 5	mg/Kg	DIN EN ISO 20884
1,3,5-trioxane (w/w%)	0.01	< 0,02	w/w%	GC-MS
1,3,5,7-tetraoxane (w/w%)	0,28	< 0,35	w/w%	GC-MS
Melting Point	-29		°C	
Vapor Pressure (26°C)	3-4		mmHg	calculated
Hansen Solubility Parameters	$\delta_D(16,5)$ $\delta_P(9,6)$ $\delta_H(8,4)$			Experimental

Health, Safety and Environment

Please refer to the Material Safety Data Sheet for Farmsolve-3595™. This document contains important information about health and safety hazards, 1st aid, precautions in case of fire and spills as well as the transport classification.

The information in this data sheet is given to the best of our knowledge, however, without any warranty on our part and the disclosure of this information is not to be taken as an exemption to infringe any patents or licenses.

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