

Degressal[®] types

® = Registered trademark of BASF

Degressal[®] SD 20
Degressal[®] SD 21
Degressal[®] SD 23
Degressal[®] SD 30
Degressal[®] SD 40

Silicone-free foam suppressors for detergents and cleaners, and for the chemical and allied industries

Chemical nature	Degressal® SD 20	Fatty alcohol alkoxyolate
	Degressal® SD 21	Fatty alcohol alkoxyolate
	Degressal® SD 23	Glycerinalkoxyolate
	Degressal® SD 30	Carboxylic ester
	Degressal® SD 40	Phosphoric ester

PRD-Nos.*	30043836	Degressal® SD 20
	30043837	Degressal® SD 21
	30043895	Degressal® SD 23
	30043896	Degressal® SD 30
	30043891	Degressal® SD 40

*BASF's commercial product numbers.

Properties

Degressal® SD 20	Clear, yellowish liquid
Degressal® SD 21	Clear, colourless or yellowish liquid
Degressal® SD 23	Clear, colourless liquid
Degressal® SD 30	Clear, colourless or yellowish liquid
Degressal® SD 40	Clear, colourless or yellowish liquid

Some physical properties are listed in the table below. These are typical values only, and not all of them are monitored on a regular basis.

Degressal®		SD 20	SD 21	SD 23	SD 30	SD 40
Properties		Clear, yellowish liquid	Clear, colourless or yellowish liquid	Clear, colourless liquid	Clear, colourless or yellowish liquid	Clear, colourless or yellowish liquid
Physical form (23 °C)		liquid	liquid	liquid	liquid	liquid
Concentration	%	approx. 100	approx. 100	approx. 100	approx. 100	approx. 100
Density (DIN 51757, method 3, 23 °C)	g/cm ³	approx. 0.96	approx. 0.98	approx. 1.02	approx. 0.86	approx. 0.96
Viscosity (EN 12092, Brookfield, LVT, 23 °C)	mPa·s	approx. 60	approx. 250	approx. 800	approx. 20	approx. 20
Pour point (ISO 3016)	°C	approx. -50	approx. -20	approx. -30	approx. -50	<-50
Acid number (ISO 2114)	mg KOH/g	approx. 0	approx. 0	approx. 0	approx. 1	approx. 2

The above information is correct at the time of going to press. It does not necessarily form part of the product specification.

A detailed product specification is available from your local BASF representative.

The solubility of Degressal® types at 23 °C (10% solution)

Solution	SD 20	SD 21	SD 23	SD 30	SD 40
Distilled water	-	-	-	-	-
Potable water (approx. 2.9 mmol Ca ions/l)	-	-	-	-	-
5% caustic soda	-	-	-	-	-
5% hydrochloric acid	-	-	-	-	-
5% saline solution	-	-	-	-	-
Alcohols	+	+	+	+	+
Petroleum oils	+	+	-	+	+
Aromatic hydrocarbons	+	+	+	+	+
Chlorinated hydrocarbons	+	+	+	+	+

+ = *Clear solution*

O = *Opalescent solution*

- = *Insoluble*

As the above table shows, all but one of the Degressal® types are insoluble in water, but it is fairly easy to solubilize them in aqueous solutions with hydrotropes, glycols, alcohols or surfactants. Some products in the Degressal® range may even form clear solutions in water when solubilized.

Safety

We know of no ill effects that could have resulted from using Degressal® types for the purpose for which they are intended and from processing them in accordance with current practice.

According to the experience that we have gained over many years and other information at our disposal, Degressal® types do not exert any harmful effects on health, provided that they are used properly, due attention is given to the precautions necessary for handling chemicals, and the information and advice given in our Safety Data Sheets are observed.

Please refer to the latest Safety Data Sheet for detailed information on product safety.

Shelf life

Provided it is stored properly and drums are kept tightly sealed, Degressal® types has a shelf life of at least two years in its original packaging.

Note

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