

Typical chemical and physical properties

ADDAPTOL™ DB is a non-VOC oxygenated solvent for use as a coalescing agent in waterborne systems and tail solvent in solvent borne systems.

It is a proprietary mixture of branched esters of dibasic acids.

Appearance	Clear, colourless to yellowish liquid
Odour	Typical
Colour (Pt-Co)	max. 100
Density at 25 °C	0.93 – 1.01 g/cm ³
Viscosity at 25 °C (Brookfield #1, 50 rpm)	<50 mPa·s
Vapour pressure at 20 °C	<0.01 kPa
Boiling point	>275 °C
Freezing point	-55 °C

This information is intended as a guideline only. For specifications please consult the Certificate of Analyses.

Applications and typical treat level recommended

Waterborne coatings
 Solvent borne coatings
 Printing ink solvent
 Cleaning solvent

Benefits

ADDAPTOL™ DB is ready biodegradable.

ADDAPTOL™ DB has a high thermal, hydrolytic and pH stability.

Generally, less ADDAPTOL™ DB is needed compared to conventional coalescing agents.

Compared to 2,2,4-trimethylpentanediol mono-isobutyrate, ADDAPTOL™ DB shows following improved characteristics in waterborne coatings:

- Lower odour
- Improved wet scrub resistance
- Lowering of MFFT
- Early rain resistance

In solvent borne systems ADDAPTOL™ DB has following advantages:

- Excellent tail solvent
- Improved levelling and pinhole resistance

Guidance on use

ADDAPTOL™ DB must be well incorporated into the binder dispersion. It is recommended to add ADDAPTOL™ DB directly after the addition of the binder.

Mechanical mixing is highly recommended; 500 – 1000 RPM for at least 10 minutes.

To check if ADDAPTOL™ DB is well dispersed, submerge a metal spatula (palette knife) in the liquid and inspect the liquid surface on the spatula. If there are no craters or other abnormalities visible, ADDAPTOL™ DB is well dispersed. Otherwise, proceed to mix for another couple of minutes.

Safety and Handling

Please read Material Safety Data Sheet (MSDS) before handling.

Product Specification

This information is available on request through our local representative.

Packaging

This information is available on request through our local representative.

Quality Policy

The objective of our quality policy is the continuous fulfilment of the internal and external requirements agreed upon with our partners with regards to everybody's performance.

The Quality System of ADDAPT® Chemicals BV is based on the principles of the NEN-EN-ISO-Standard 9001: 2015.

Liabilities

All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from the results of tests carried out by us, are based on the current state of our knowledge. Notwithstanding any such recommendations, buyer or user remains responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility thereof. Buyer has to ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with, and subject to, our general conditions of sale and supply.



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