

**Typical chemical and physical properties**

CODIS™ BIO provides very effective pH control for low odour systems . It has no contribution to VOC/SVOC and is >75% based on renewable resources..

**CODIS™ BIO is a proprietary formulation, water-based.**

**All constituents are REACh registered and in compliance with the detergent directive EG/648/2004**

Appearance	Clear liquid
Active content	approx.. 50%
Viscosity at 25 °C (#2 @ 20 rpm)	< 50 mPa.s
pH (0,1 M aqueous solution, 20 °C)	10,0 – 11,0
Density at 20 °C	1,12- 1,16 g/cm <sup>3</sup>
Amine content	Tertiary amine > 99.5% No primary or sec. amines present
Solubility Water	Complete
Biodegradation	Readily Biodegradable (OECD 301E)

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

**Applications and typical treat level recommended**

- Coatings
- Printing Inks
- Metal working fluids
- Boiler-water treatment

**Benefits**

CODIS™ BIO is a highly effective pH control agent. Especially in combination with ADDAPT DISP 600 it promotes acceptance of universal colorants.

It contributes to pH stability when neutralising (carboxylic) acid groups in water-borne systems, thereby exhibiting high gloss, good water resistance, increasing tinting strength and anti-corrosion (**flash rust**) properties.

CODIS™ BIO eliminates need for ammonia.

CODIS™ BIO is inhibited to prevent possible yellowing!

CODIS™ BIO is > 75% **biodegradable** under both aerobic and anaerobic conditions.

CODIS™ BIO is free of human hazard label (non-irritant to eye and skin).

---

<b>Safety and Handling</b>	Please read Material Safety Data Sheet (MSDS) before handling.
<b>Product Specification</b>	This information is available on request through our local representative.
<b>Packaging</b>	This information is available on request through our local representative.

---

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

The Quality System of ADD APT® 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.*

ADDAPT Chemicals BV  
Speltdijk 1  
NL-5704 RJ Helmond  
The Netherlands  
Tel: + 31 - 492 - 59 - 75 - 75  
Fax: + 31 - 492 - 55 - 29 - 55  
E-mail: [info@addapt-chem.com](mailto:info@addapt-chem.com)  
Home page: <http://www.addapt-chem.com>

Publication Number D86925  
© ADDAPT Chemicals BV 2016  
Version 2: 2019

