

**Typical chemical and physical properties**

ADDAPT<sup>®</sup> Anticor<sup>™</sup> FA-N is a biodegradable **multifunctional** additive and effective **aluminium** corrosion inhibitor with good emulsifying properties.

**Proprietary mixture of surface tension active- and phosphonate derivatives.**

Appearance	Clear, yellow to brown liquid
Viscosity at 25 °C	100 – 350 mPa.s.
Density at 25 °C	1.00 – 1.04 g/cm <sup>3</sup>
Flash point	> 130 °C
Solubility	
Water	Emulsifiable
Mineral oil	Soluble
Biodegradation	<b>Readily biodegradable</b>

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

**Applications and typical treat level recommended**

Industrial lubricants, greases and rust preventive fluids	0.03 – 2.0 %
Aqueous systems (upon neutralisation)	
Metal working fluids	0.03 - 1.0%
Bitumen (asphalt)	0.03 – 2.0 %

**Benefits**

Anticor<sup>™</sup> FA-N gives very good corrosion protection of Al, Zn; Pb and Sn-surfaces.  
 Anticor<sup>™</sup> FA-N gives excellent corrosion protection for Cu-alloys.  
 Improves binding on wet gravel or sand (bitumen).  
 Easy to handle liquid, contains no diluents.

# ADDAPT<sup>®</sup> Anticor<sup>™</sup> FA-N

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<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.

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**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<sup>®</sup> Chemicals BV is based on the principles of the NEN-EN-ISO-Standard 9001: 2015.

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**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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## Additive volatility

The volatility of additives can have a major impact on lubricant performance characteristics.

Thermo-gravimetric analysis (TGA) provides information about the volatility of an additive, as well as its thermal and oxidative stability.

## Performance benefits:

Metal surface protection

## Greases

ADDAPT<sup>®</sup> Anticor<sup>™</sup> FA-N protects metals in Stearate and calcium complex greases against corrosion.

## Rust prevention

### Test greases

Corrosion inhibitors	as indicated
Li-12-OH Stearate grease (NLGI Grade 2)	balance

### Test greases

<b>ADDAPT<sup>®</sup> Anticor<sup>™</sup> FA-N (%)</b>	-	0.5
Ca complex grease	neat	balance

### Dynamic EMCOR test (IP 220/DIN 51802)

Salt water: bearing (rating)	5 (fail)	0 (pass)
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### Test fluids

<b>ADDAPT<sup>®</sup> Anticor<sup>™</sup> FA-N (%)</b>	0.5	-
Mineral oil	balance	neat

### Humidity cabinet test (IP 366/ ASTM D 1748)

48.9 °C (120 °F), relative humidity  
100%, conforms to US

Military spec (JAN H-792). Test  
specimen: steel panels

Time to start rusting (h) (4 or more rust spots)	(hrs)	480	20
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## Rust preventive fluids

### Test fluids

<b>ADDAPT<sup>®</sup> Anticor<sup>™</sup> FA-N (%)</b>	(%)	-	0.6
	(%)		
NaNO <sub>2</sub>	(%)	6.0	-
De-ionised water		balance	balance
pH		8.3	8.5 <sup>(1)</sup>