

**Typical chemical and physical properties** Water-free, multi-metal corrosion inhibitor. Suitable for the protection of aluminium, copper, and iron substrates in water-based and solvent-based systems. BTA/TTA-free.

**Proprietary mixture of mono-and di-phosphate esters.**

|                     |                     |       |
|---------------------|---------------------|-------|
| Appearance          | Yellow/brown liquid |       |
| Active content      | ~99,5%              |       |
| Phosphorus content  | ~7%                 |       |
| Solubility          |                     |       |
| Mineral oil         | Soluble             |       |
| PAG                 | Soluble             |       |
| Esters              | Soluble             |       |
| Odour               | Sweet               |       |
| Solubility in ester | Soluble             |       |
| Density at 25°C     | 1 - 1,05            | g/ml  |
| Viscosity at 25°C   | 200 - 750           | mPa·s |

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

**Application and treat level**

|                          |   |
|--------------------------|---|
| Markets                  | Coating industry<br>Additive industry<br>Metalworking industry              |
| Applications             | Water-based paints and lacquers<br>Protective agents<br>Metalworking fluids |
| Recommended dosage/usage | Water-based paints and lacquers<br>0,5 - 2,5 %wt. (upon neutralization)     |
|                          | Protective agents<br>~5 %wt. in solvent                                     |
|                          | Metalworking fluids<br>0,2 - 2,0 %wt  |

**Key benefits**

- **Readily biodegradable -- Free of BTA and TTA -**
- Multi-metal corrosion protection/passivation of iron, copper, and aluminium.
- Can be used in solvent-based systems and in water-based systems upon neutralisation.
- It increases hydrophobicity and gloss in direct-to-metal coating systems.
- It has surfactant properties with minimal foaming properties.
- Active in both acidic and alkaline media.
- Easy to handle liquid.

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|------------------------------|--|
| <b>Safety and Handling</b>   | Please read Safety Data Sheet (SDS) 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.   |
| <b>Storage</b>               | The product should be stored at a temperature of no less than 10 °C and no more than 25 °C and away from light. For more safety details read the Safety Data Sheet (SDS) |

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**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 ADDAPT® 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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