

### Technical Data Sheet

**Typical chemical and physical properties** Excellent dispersing agent for titanium dioxide, mineral pigments, and fillers. It is also excellently suitable for colourants and reactive pigments. In comparison with most dispersants, the abrasion values are significantly lower.

**Low- and narrow molecular weight polyacrylate dispersant having a sodium cation.**

|                          |             |         |
|--------------------------|-------------|---------|
| Appearance               | Liquid      |         |
| Active content           | ~40%        |         |
| Molecular weight         | ~3200 g/mol |         |
| Solubility               |             |         |
| Water                    | Miscible    |         |
| Density at 25°C          | 1,26 - 1,31 | g/ml    |
| pH 10% solution in water | 6,5 - 8,0   |         |
| Viscosity at 25°C        | 100 - 250   | mPa·s   |
| Colour                   | 0,0 - 2,5   | Gardner |

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

**Application and treat level**

|                          |   |
|--------------------------|---|
| Markets                  | Coating industry<br>Printing ink industry<br>Paper coating industry<br>Ceramic industry<br>Concrete industry                              |
| Applications             | Titanium dioxide slurries<br>Inorganic pigment and mineral concentrates<br>Architectural coatings<br>Decorative coatings<br>Wood coatings |
| Recommended dosage/usage | Ladder studies are recommended to determine concentration level. Starting point formulations are available.                               |
|                          | Do not use polyphosphates in combination with ADDISP 600N. The effect of polyphosphates is detrimental to the performance.                |

**Key benefits**

- APEO/NPEO free -- Solvent free -
- Excellent dispersants for titanium dioxide, minerals, and inorganic pigments.
- Provides high wet scrub resistance, allows reduction of TiO<sub>2</sub> and binder.
- Hard water resistant due to phosphate moiety – use without polyphosphates.
- The gloss of emulsion paint and lacquers is not influenced.
- The product shows high glycol compatibility.
- The very narrow molecular weight distribution guarantees a high effectiveness in dispersing properties.
- In comparison with most dispersants the abrasion values are significantly lower.
- Broad pH application range 4 – 13.
- Optimises the absorption of tinting pastes for emulsion paints.

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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.*

ADDAPT Chemicals BV  
Speltdijk 1  
5704 RJ Helmond  
The Netherlands  
Tel: + 31 (0)492 597575  
E-mail: [info@addapt-chem.com](mailto:info@addapt-chem.com)  
Home page: <http://www.addapt-chem.com>

