ADDAPT
Chemicals BV

for tomorrow's
Technology

Sustainable Additives Portfolio

for tomorrow's
World

A Definition of Sustainable Chemistry

“Sustainable chemistry is a scientific concept that seeks to improve the efficiency with which natural resources are used to meet human needs for chemical products and services. Sustainable chemistry encompasses the design, manufacture and use of efficient, effective, safe and more environmentally benign chemical products and processes”.

Sustainable Additives Portfolio

ADDAPT Chemicals BV develops and markets innovative additives for environmentally friendly, non-VOC systems, prioritising sustainable chemistry. By using biobased and biodegradable raw materials, we strive to reduce our carbon footprint and create products that are safer for people and the planet.

Biobased content
According to European Standards, the term ‘bio-based’ means ‘derived from biomass’ and is an indicator of the (renewable) origin of the material. The biobased content of our additives is given as biobased carbon content (organic + inorganic) expressed as a fraction of the total amount of carbon in the sample. The biobased carbon content is calculated according to EN 16640:2017.

Biodegradability
Biodegradable materials are synthetic or natural compounds which can be broken down by living organisms, such as bacteria, fungi, or yeast, into environmentally harmless components which can be reabsorbed by the natural environment. Biodegradability is an indicator of the persistence and degradability of the product. The biodegradability of our products is calculated by degradability studies determined in accordance with OECD 301 guidelines or similar studies of the raw materials. A material is considered “readily biodegradable” if it degrades over 60% within a 28-day timeframe.

No/low VOC content
According to EU regulations, Volatile Organic Compounds (VOCs) are defined as organic compounds that have an initial boiling point of up to 250 °C (at 101,3 kPa). VOCs are substances that easily evaporate into the air and may contribute to air pollution. Additives with low VOC content have a minimal impact on emissions and indoor air quality. Our VOC values are calculated using raw material information unless otherwise stated. Products containing less than 5 g/l VOC are considered VOC-free and less than 50 g/l VOC as low VOC.

Biocide-free
The term biocide-free refers to products that do not contain any intentionally added substances intended to prevent microbial growth of bacteria, fungi, and yeasts.

Additionally, all additives mentioned in this brochure are manufactured without the use of microplastics, heavy metals and PFAS (per- and polyfluoroalkyl substances). We are committed to ensuring that these substances, known for potential environmental and health concerns, are not incorporated during the production of these additives.

Corrosion Inhibitors		Biobased Carbon Contennt	Readily Biodegradable	VOC-free	Biocide-free
Anticor™ A40	Corrosion inhibitor with outstanding rust prevention of ferrous substrates in both acidic- and alkaline water-based (coating) systems. It provides excellent long-term corrosion protection in direct-to-metal applications.	69%	✓		
Anticor™ A65N	Alkaline water-based ferrous anti-corrosion additive. It has high compatibility with direct-to-metal coating systems where it provides excellent long-term corrosion protection or iron. Easy to use.	51%	✓		
Anticor™ L295	Water-soluble multi-metal anti-corrosion additive. Suitable for any water-based system that comes in contact with various grades of aluminium, copper-bronze and ferrous substrates. Controls “pitting” of the metal surface.	36%	✓	✓	
Ferrocor™ Flash TN	Water-soluble flash rust corrosion inhibitor for ferrous and zinc-rich substrates. Very suitable for preventing the formation of flash rust in water containing DTM coatings and cleaners. Free of nitrites, nitrates and heavy metals.	0%	✓		✓

Wetting, Levelling and Open Time Improvers		Biobased Carbon Contennt	Readily Biodegradable	VOC-free	Biocide-free
The BioWet™ range consists of proprietary blends of ionic and non-ionic chemicals, designed for use as wetting and levelling agents and open time improvers used for water-based applications such as architectural paints, inks, putties and (textured) masonry paints. **All grades are free of waxes, tallow fatty alcohols and silicones. They do not negatively influence the scrub/water resistance and dirt pick up after drying. No risk for emulsifier tracks (snail trails).**					
BioWet™ 25L	Solvent-free, readily biodegradable wetting agent for aqueous lacquers and paints. Gives gloss improvement of emulsion lacquers, and wet-edge (open time) of emulsion paints and lacquers. Can also improve the “flop” effect of aluminium pigments. Exhibits a high surface energy that leads to an excellent wetting of the (paper) coating without an increase of the water absorption (low COBB value).	75%	✓	✓	
BioWet™ 45	Wetting and open-time improver especially suitable for water-based lacquers and wood finishes. Prevents gel formation in PU systems (related to isocyanates). It is used in coatings, printing inks, PU and epoxy coatings. Good wetting on glass and wood substrates.	7%	✓		
BioWet™ 50L	Solvent-free adhesion promoter for difficult substrates like glass and mineral surfaces. Improves open time and gloss. Very good recoatability.	80%	✓	✓	
BioFlow™ 71	Water-soluble flash rust corrosion inhibitor for ferrous and zinc-rich substrates. Very suitable for preventing the formation of flash rust in water containing DTM coatings and cleaners. Free of nitrites, nitrates and heavy metals.	32%	✓	✓	

Defoamers/Anti-Foam/Dearators		Biobased Carbon Contennt	Readily Biodegradable	VOC-free	Biocide-free
The Foamstop™ defoaming agents mentioned below are based on vegetable oils and do not contain any APEOs, mineral or silicone oils.					
Foamstop™ CCB	Cost-effective foam control agent for emulsion systems based on PVAC, VA/VeoVa, styrene-acrylics and pure acrylics. Suitable for use in pigmented emulsion paints, printing inks, as well as emulsion-based adhesives.	90%	✓	✓	✓
Foamstop™ VF 10N	Effective foam control agent recommended for use in pigmented low-VOC emulsion paints, (flexo-) printing inks as well as emulsion-based adhesives based on PVAC, styrene-acrylics and pure acrylics. Cost-effective solution for high PVC emulsion paints, textured masonry coatings and renders/plasters (putz)	91%	✓	✓	✓
Foamstop™ VF 35N	Highly effective foam control agent for both water- and solvent-based (coating) systems. Superior alternative to mineral oil-based defoamers. Very suitable for high PVC emulsion paints and low VOC emulsion paints based on PVAC, styrene-acrylics or pure acrylics.	72%	✓	✓	✓
Foamstop™ VF 41N	Highly efficient defoaming agent specially developed for optimum foam control in the grinding process of (resin free) pigments and fillers. Long term active.	39%		✓	✓
Foamstop™ EM19	Cost-effective foam control agent emulsion with high compatibility and fast spreading properties. Suitable for (high gloss) emulsions paints and emulsion-based plasters.	85%	✓	✓	

(Co-) Dispersants		Biobased Carbon Contennt	Readily Biodegradable	VOC-free	Biocide-free
CODIS™ BIO	Label-free neutralisation and buffering agent that provides effective pH control for low-odour systems. It eliminates the need for ammonia and gives long-time stable pH adjustment. It has no contribution to VOC and is free of human hazard labelling.	34%	✓	✓	✓
ADDISP™ 550	Solvent-free wetting agent for pigments for aqueous systems and resin-free pigment concentrates. Good wetting agent for a wide variety of pigments, i.e., inorganic, organic, carbon blacks, etc. Highly recommended to use in combination with the ADDISP™ 850 dispersing agent.	28%	✓	✓	✓
ADDISP™ 850	Pigment dispersant for aqueous systems and resin-free pigment concentrates. Highly recommend using it in combination with the ADDISP™ 550 wetting agent.	75%	✓	✓	
ADDISP™ ECO	Universal pigment dispersant designed for preparing resin-free pigment concentrates for solvent, aqueous and UV systems. Suitable for dispersing inorganic, organic, carbon black, and various fillers by using only a dissolver, no ball mill necessary. It enables a significant reduction of manufacturing costs & waste.	25%	✓	✓	✓

Wax Emulsions		Biobased Carbon Contennt	Readily Biodegradable	Low VOC	Biocide-free
WaxMul™ C325	Type 3 carnauba wax dispersion in water. Highly suitable for use in water-based (car) polishes and coatings. When dry, it provides very good surface slip, scratch-resistance, good water-repellent properties and increased gloss. It also improves release and anti-block properties.	90%	✓	✓	

Stain Blocking Agent		Biobased Carbon Contennt	Readily Biodegradable	VOC-free	Biocide-free
T-Block™	T-Block™ is a highly effective blocking agent that prevents tannin bleeding and other types of staining. A liquid additive suitable for water-based and solvent-based systems, can be post-added to primers or topcoats. Zinc- and zirconium-free. Label-free and ECO-label compliant.	min. 35%	✓	✓	✓

Stabilised Silicate Solutions		Biobased Carbon Contennt	Readily Biodegradable	VOC-free	Biocide-free
SilStab™ products are highly stabilised, ready to use, VOC-free potassium silicate solutions and can be added to render (Putz) and coating formulations without coagulation problems; no additional stabilising additives are required. The products are compatible with most pure acrylic, styrene/acrylic and several other emulsion binder types. **SilStab™ products do not cause strong viscosity increase even after prolonged storage. They are non-foaming and free of preservatives.**					
SilStab™ L100	Solvent-free, potassium silicate solution for aqueous systems such as renders (Putz), interior and exterior primers and textured masonry coatings.	-	-	✓	✓
SilStab™ HL+ **SilStab™ DC3**	Hydrophobically modified potassium silicate solutions for increased water repellency and improved scrub resistance in interior paints. The stabilisation system of SilStab™ HL+ differs from SilStab™ DC3.	-	-	✓	✓

CONTACT INFORMATION

ADDAPT Chemicals B.V.

Speltdijk 1
5704 RJ Helmond
The Netherlands

Tel.: +31 (0)492 59 75 75
E-mail: info@addapt-chem.com
http://www.addapt-chem.com

Liability
All recommendations for the use of our products, whether given by us in writing, oral, or to be implied from the results of tests carried out by us, are based on the current state of our knowledge. Under no circumstances shall Seller be liable for incidental, consequential or indirect damage for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with product(s). Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has/have not been tested for, and is/are therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin or blood is intended, or for uses for which implantations within the human body is intended.