

TripleS update

Background:

- TripleS (Sustainable Solution Steering) has been in place at BASF since 2012
- In 2021, BASF generated €24.1 billion sales with Accelerator products – already reaching our target of €22 billion Accelerator sales by 2025
- The product portfolio steering methodology has been updated and subsequently a new target will be set
- Full portfolio review according to the new methodology will be done throughout 2023/2024

With the TripleS update we aim at:

- **New KPI “Sustainable-Future Solutions” (SFS) emphasizing benefits** with a focus on Carbon management
- Products on **market standard level contributing to transformation topics** - being **part of KPI**
- Reflecting potential **impact from updated regulatory** such as the EU Chemicals Strategy for Sustainability (CSS) and the Toxic Substances Control Act (TSCA) in the United States whilst ensuring alignment with **PSA¹**
- Improve **automation of assessment** and reporting e.g., through interlinking of different data sources
- Linking the **evaluation of our R&D projects** even more closely to the method

¹PSA: Portfolio Sustainability Assessment, co-hosted by World Business Council for Sustainable Development (WBCSD).

²CSS: EU COM's Chemicals Strategy for Sustainability.

Disclaimer: The information in this document is based on the former, outdated TripleS methodology. Portfolio review according to the new methodology is ongoing.



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**Sustainable Solution Steering® -
Accelerator Example Collection
Care Chemicals**
- for external use - OCT 2022



Accelerators Personal Care

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Accelerator Cegesoft® Peel

Process information

Application: Wax-based peeling particles for properties for rinse-off and leave-on exfoliants in face and body care products

Customer Industry: Personal Care

Market: Global

Sustainability performance

- 95% based on renewable feedstock
- Readily biodegradable peeling particles
- Cold processable
- Unpreserved
- Suitable for rinse-off concepts acc. To EU Ecolabel, Nordic Ecolabel

→ The eco-friendly and gentle exfoliant



Differentiation potential

Customer:

- Renewable based
- Biodegradable alternative for “plastic” or sharp microparticles

Consumer:

- No “microplastic discussion”
- Gentle exfoliation

Accelerator Gluadin[®] Kera P-LM

Process information

Application: Microprotein for deep penetration, protection, hair strengthening, rejuvenation in hair care products

Customer Industry: Personal Care

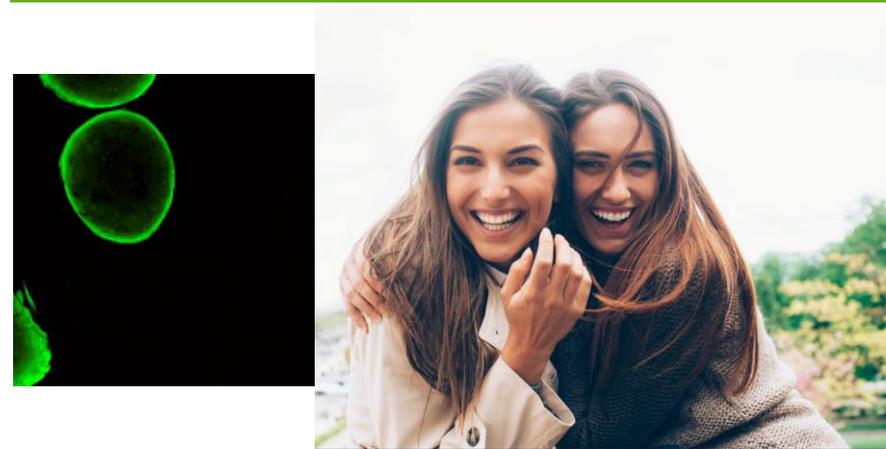
Market: Global

Sustainability performance

- 98% derived from renewable feedstock
- Enzymatic process (non-GMO)
- Due to benzoic acid preservation and non-GMO enzymes, suitable for all natural and organic cosmetic standards and for vegan concepts
- COSMOS and NATRUE approved

→ Microprotein with significant performance and sustainability impact

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Differentiation potential

Customer:

- Climate change & energy
- Alternative to natural keratin

Consumer:

- Health
- Improved hair condition

Accelerator Uvinul® A plus Granular

Process information

Application:

Customer Industry: Personal Care

Market: Global

Sustainability performance

- High efficiency at low concentration
- Does not contain preservative
- Consumer Health Protection
- photostable organic UVA-I absorber that covers the long wavelengths of the UVA spectrum.
- Efficient shielding against UVA radiation for prevention of skin damage



Differentiation potential

- Prevention of premature skin aging and skin damage
- Reliable and long – lasting protection
- Excellent formulation flexibility
- Excellent protection against free radicals

Accelerator Z-Cote[®] HP1 and LSA

Process information

Application:

Customer Industry: Personal Care

Market: Global

Sustainability performance

- Does not contain preservative
- Consumer Health Protection
- Reduced water during manufacturing
- Extremely low waste generated during production



Differentiation potential

- Lower transmission over broad range
- Free radical protection
- Best protection against photo skin aging
- Outstanding photo stability
- Synergetic with Organic UV filters

Accelerator Cetiol® Ultimate

Process information

- Application:** Ultra-fast spreading emollient for Face / Body / Sun Care and Color Cosmetics
- Customer Industry:** Personal Care
- Market:** Global

Sustainability performance

- 100% renewable-based and volatile emollient
- Replacement of volatile silicones possible
- Easier to use than volatile hydrocarbons
- Readily biodegradable
- Gives more flexibility in the development of natural cosmetic concepts for improved skin feel
- Cosmos and NATRUE approved, suitable for other labels

→ Regarded as breakthrough innovation and was awarded with market prizes

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Differentiation potential

Customer:

- Plant based chemistry for possible cyclomethicone substitution
- New formulation textures and claims possible

Consumer:

- New natural cosmetic concepts

Accelerator

Tinosorb[®] S Lite Aqua

Process information

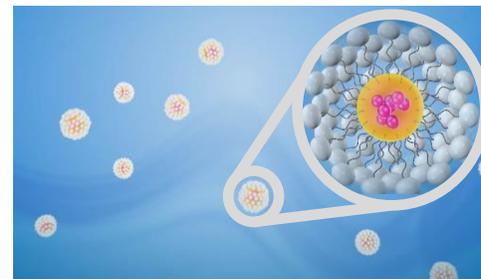
- Application:** UV Filter for sun care and skin care
- Customer Industry:** Personal Care
- Market:** Global (except USA)

Sustainability performance

- Encapsulation technology for optimal film formation on the skin leading to higher SPF
- Partition of total UV filter amount to oil AND water phase
- Absorption spectrum as broad as Tinosorb[®] M
- Cold processable
- Perfectly suited for formulations acc. Ecosunpass

→ Received the BSB Innovation Prize 2018

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Differentiation potential

Customer:

- Reduction of oil phase for more formulation flexibility
- High efficiency at low active concentration
- High sun protection performance due to UV filter balance in water and oil phase

Consumer:

- Health & safety

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Accelerator

Lipofructyl[®] Argan LS 9779

Process information

Application: Moisturization / Hair care

Customer Industry: Personal Care

Market: Global

Sustainability performance

- Organic and fair trade certified argan oil
- Sourced in partnership with an agricultural women's cooperative in Morocco
- Enabling socio-economic development
- By-product upcycling of different parts of the tree to foster a better local impact

→ Responsible sourcing of argan based materials



Differentiation potential

Customer:

- UN Millennium Development Goals
- Biodiversity & renewables

Consumer:

- Contribution to sustainability

Accelerator Texapon[®] SFA

Process information

Application: Natural, innovative, very mild anionic surfactant suitable for tear-free rinse-off formulations

Customer Industry: Personal Care

Market: Global

Sustainability performance

- 99% derived from renewable RSPO certified Mass Balance feedstocks
- Readily biodegradable
- Suitable for solutions not containing EO, no impurities (e.g. 1,4-Dioxane)

→ Breakthrough innovation and was awarded with BSB Innovation Award 2020

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Differentiation potential

Customer:

- Rich & creamy foam sensory, ultra-mild to skin, eyes and mucous membrane
- Long-term stable in broad temperature & pH ranges
- Conditioning booster
- Micellar viscosity build-up without thickeners

Accelerator Dehyton[®] SFA

Process information

Application: ultra-mild, cold-processable & easy-to-handle surfactant blend for versatile rinse-off applications

Customer Industry: Personal Care

Market: Global

Sustainability performance

- 77% derived from renewable feedstocks
- RSPO Mass Balance certified
- Readily biodegradable
- Suitable for solutions not containing EO, no impurities (e.g. 1,4-Dioxane)

→ Cold processable and easy to handle ultra-mild blend innovation

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Differentiation potential

Customer:

- Cold processable: easy dissolvable in cold water giving clear solutions
- Excellent wet and dry combability results; good combability without polymers
- Rich & creamy foam sensory, ultra-mild to skin, eyes
- Ideal for low pH (4.5-5.5) formulations

Accelerator Eumulgin® VL 75

Process information

Application: Cold Processed Emulsifier for low-viscous emulsions

Customer Industry: Personal Care

Market: Global

Sustainability performance

- 100% derived from renewable feedstocks
- Palm Based raw materials certified sustainable acc. RSPO Mass Balance scheme
- Approved by COSMOS, recommended for natural/ organic formulation concepts
- Cold processable
- Suitable for EO-Free solutions
- Does not contain preservatives



Differentiation potential

- Nonionic emulsifier for low viscous systems
- Good sensorial behavior, comfort, balanced skin feel.
- Excellent skin compatibility
- Very good make up remover capacity
- High versatility regarding oil phase



Accelerators Home Care and I&I

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Accelerators

Trilon® M types in I&I

Product information

Application	Various I&I applications, f.e. as scale inhibitor or for water hardness control
Customer industry	Industrial & Institutional Cleaning
Market	Global

Differentiation potential

Customer	<ul style="list-style-type: none">▪ Alternative to STPP, NTA, GLDA, TSC...▪ Enables solid format (significant contribution to save energy, cost, packaging, space)▪ Sustainable positioning
Consumer	<ul style="list-style-type: none">▪ Excellent performance and material protection

Sustainability performance

- High performance as strong chelating agents
 - Readily biodegradable
 - Meet requirements of EU Ecolabel, Blue Angel and Nordic Swan
 - Good eco-tox profile compared to other strong chelating agent
 - Ultimate types with glass protection
- Bio-grades available:
 - ✓ Trilon® M Max BioBased with a measurable bio-content of up to 43%
 - ✓ Trilon® M Max EcoBalanced, 100% bio-certified via mass balance and with reduced Product Carbon Footprint



Phosphate free and biodegradable chelating agents that enable solid formats in I&I

Accelerators

Trilon® M types / Trilon® Ultimate types

Product information

Application	Chelating agent mainly for Automatic Dishwashing Detergents
Customer industry	Home Care
Market	Global

Differentiation potential

Customer	<ul style="list-style-type: none">▪ Strong alternative to Citrate, Phosphonate, GLDA▪ Material protection claims: Prevention of scale formation, Ultimate 2 G w/ glass protection▪ Sustainable positioning
Consumer	<ul style="list-style-type: none">▪ Combines superior cleaning performance with sustainability

Sustainability performance

- Readily biodegradable strong chelating agents
- Meet requirements of EU Ecolabel, Blue Angel (except Ultimate types) and Nordic Swan
- Good eco-tox profile compared to other strong chelating agents
- Phosphate alternative in automatic dish wash
- Eco-efficiency analysis available
- Bio-grades available:
 - ✓ Trilon® M Max BioBased with a measurable bio-content of up to 43%
 - ✓ Trilon® M Max EcoBalanced, 100% bio-certified via mass balance and with reduced Product Carbon Footprint



The technically best builder system for modern and sustainable dish wash formulations

Accelerator Polyquart® S Granules

Product information

Application	Performance Booster for Automatic Dishwashing Detergents
Customer industry	Home Care
Market	Global

Differentiation potential

- | | |
|-----------------|---|
| Customer | <ul style="list-style-type: none"> ▪ Supports state-of-the-art sustainable All-in-1 products ▪ Improved build-up performance ▪ Supports rinse efficiency (reduced filming & spotting) ▪ Easy-to-use for tablets |
| Consumer | <ul style="list-style-type: none"> ▪ Sustainable ADW detergents ▪ Perfect shine |

Sustainability performance

- Excellent eco-tox profile acc. to EU CLP
- Starch based
- Majority bio-based*
- Readily biodegradable
- Meets requirements of EU Ecolabel and Blue Angel



Boosting performance and sustainability profile of modern ADW tablets

*Renewable Carbon Index: 95% > X > 50%

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Accelerator Polyquart® Ecoclean

Product information

Application	Surface Care Ingredient in Hard Surface Cleaners
Customer industry	Home Care and I&I
Market	Global

Differentiation potential

Customer	<ul style="list-style-type: none">▪ Combines sustainability with performance▪ Supports modern claims like “easy-to-clean again”, “streak-free” or “quick drying”
Consumer	<ul style="list-style-type: none">▪ Enables sustainable cleaners▪ Makes cleaning more convenient and saves time

Sustainability performance

- Excellent eco-tox profile acc. to EU CLP
- Aerobic and anaerobic biodegradable
- Amphoteric modified starch
- Majority bio-based*
- Meets requirements of EU Ecolabel and Blue Angel



Bio-based Performance Booster for sustainable HSC formulations

*Renewable Carbon Index: 95% > X > 50%

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Accelerators

Dehypon® types

Product information

Application	Rinse surfactants in Automatic Dishwashing Detergents
Customer industry	Home Care
Market	Global
Products	Dehypon® E 126, E 127, WET and Shine

Differentiation potential

Customer	<ul style="list-style-type: none">▪ E 126, E 127, WET, and Shine: Reduced spotting claims▪ GRA: Spotting performance booster; PEG alternative / tableting aid▪ Shine: Reduced use level at equal performance
Consumer	<ul style="list-style-type: none">▪ Improved plastic drying and great shine on glass▪ Energy savings

Sustainability performance

- Meet requirements of EU Ecolabel, Blue Angel and Nordic Swan
- Enable energy savings due to improved rinse performance
- Readily biodegradable



Multi-functional ingredients for sustainable ADW tablets

Accelerators

Sokalan® HP 56 types

Product information

Application	Dye Transfer Inhibitors in Laundry detergents
Customer industry	Home Care and I&I
Market	Global

Differentiation potential

- Customer**
 - Color Care claim, “no sort” claim
- Consumer**
 - Convenience: “no sort” as light and dark colored textiles can be washed together
 - Prolonging the lifetime of textiles

Sustainability performance

- Prevent discoloration caused by fugitive direct and reactive dyes
- Prolong the lifetime of textiles
- Meet requirements of EU Ecolabel, Blue Angel and Nordic Swan
- Easy to formulate also in super concentrated detergents (liquid mono doses)
- Sokalan® HP 56 A EcoBalanced up to 100% bio-certified via mass balance and with reduced Product Carbon Footprint



Ingredients that support consumer needs for color care in laundry detergents

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Accelerator Lutropur[®] MSA

Product information

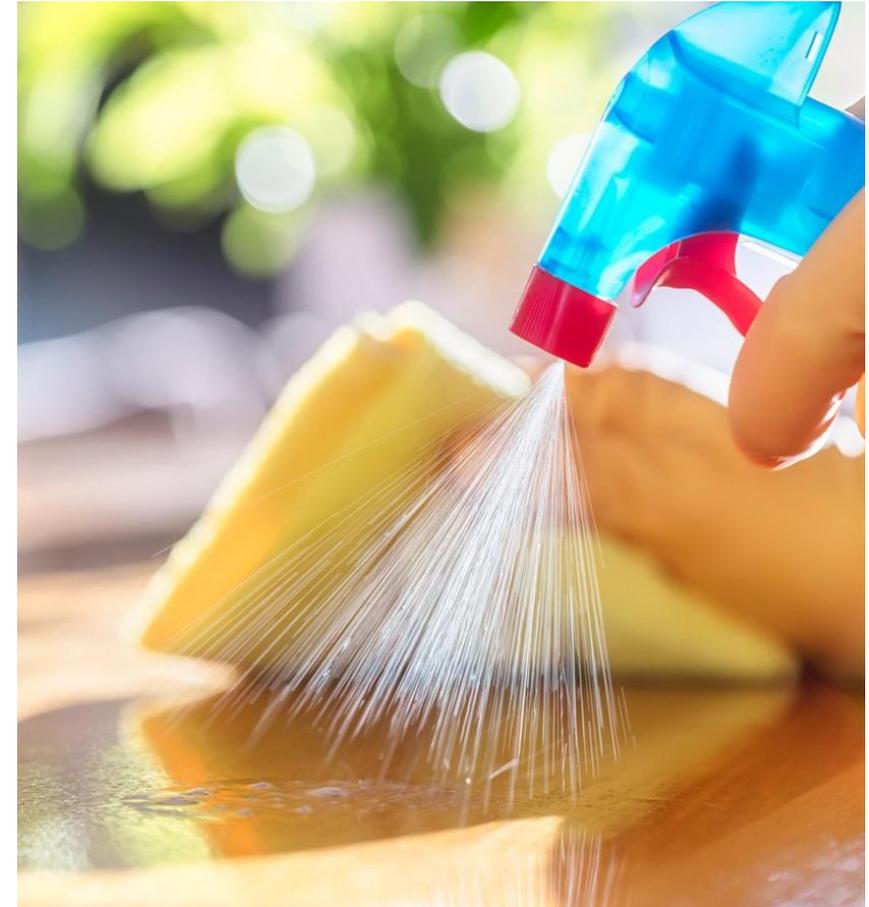
Application	Organic acid for Hard Surface Cleaners and CIP
Customer industry	Home Care and I&I
Market	Global

Differentiation potential

Customer	<ul style="list-style-type: none">▪ Easy-to-handle and non-oxidizing▪ Sustainable, high performing acid
Consumer	<ul style="list-style-type: none">▪ Faster scale removal▪ Material protection (low corrosiveness)▪ Odorless

Sustainability performance

- Strong and odorless organic acid for CIP, bathroom and toilet cleaners
- Readily biodegradable
- Meets requirements of EU Ecolabel, Blue Angel and Nordic Swan
- Eco-efficiency analysis available
- More efficient and safer production process than competition (e.g., no co-product, air oxidation instead of chlorine oxidation)
- Excellent cleaning and descaling properties



Sustainable choice for strong acidic hard surface cleaners

Accelerators

Glucopon® types

Product information

Application	Hard Surface Cleaners, Hand Dishwashing Detergents, Laundry Detergents
Customer industry	Home Care and I&I
Market	Global

Differentiation potential

Customer	<ul style="list-style-type: none"> ▪ Support formulations based on renewable resources ▪ Enable good foaming properties ▪ Material protection (mild and safe for surfaces)
Consumer	<ul style="list-style-type: none"> ▪ Perfect shine ▪ Sensitive skin solution for laundry (dermatologically tested)

Sustainability performance

- Up to 100% renewable based
- Readily biodegradable
- Meet requirements of EU Ecolabel and Blue Angel (except 425 N/HH)
- Most types optionally available with RSPO certification
- Cleaning performance boost



Balanced surfactants that combine efficiency with an excellent eco-tox profile



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Accelerator Sokalan® HP 20

Product information

Application	Performance Booster in Laundry and Hand Dishwashing Detergents
Customer industry	Home Care and I&I
Market	Global

Differentiation potential

Customer	<ul style="list-style-type: none">▪ Boosts performance in surfactant optimized formulations▪ Enables anti-graying claim▪ Improves cleaning and foam stability in HDW formulations▪ Compatible w/ liquid formulas
Consumer	<ul style="list-style-type: none">▪ Excellent primary cleaning▪ Prolonged lifetime of textiles▪ Convenience & energy savings

Sustainability performance

- Meets requirements of EU Ecolabel, Blue Angel and Nordic Swan
- No CLP label
- Enables low temperature washing
- Enhances removal of bleachable and particulate stains and therefore prolongs lifetime of textiles
- Supports sustainable convenience claims, e.g. “compaction”, “energy-saving”, “easy-to-use”
- High compatibility in liquid detergents that enables compact mono-doses / concentrates
- Sokalan® HP 20 EcoBalanced up to 100% bio-certified via mass balance and with reduced Product Carbon Footprint



Unique and universal multi-benefit Performance Booster for liquid detergents

Accelerator Sokalan® HP 96

Product information

Application	Performance Booster in Laundry Detergents
Customer industry	Home Care and I&I
Market	Global

Differentiation potential

Customer	<ul style="list-style-type: none">▪ Supports anti-graying, stain removal and low temperature washing claims▪ Delivers superior performance▪ Easy to formulate into liquid concentrates
Consumer	<ul style="list-style-type: none">▪ Good primary cleaning and anti-graying prolongs life of textiles▪ Energy savings

Sustainability performance

- Meets requirements of EU Ecolabel and Blue Angel
- No CLP label
- High performance at low temperature
- With Sokalan® HP 96 surfactant content can be reduced
- Prevents graying caused by particulate stains
- Boosts stain removal of particulate stains (e.g., clay, mud)



Unique and universal multi-benefit Performance Booster for Laundry Detergents

Accelerator Lavergy® Pro 114 LS

Product information

Application	Laundry and Hand Dishwashing Detergents
Customer industry	Home Care and I&I
Market	Global

Differentiation potential

Customer	<ul style="list-style-type: none">▪ Biological and renewable alternative▪ High compatibility in liquid formulations▪ Enables formula compaction and optimization
Consumer	<ul style="list-style-type: none">▪ Textiles looking new for longer▪ Energy savings (low temp.)

Sustainability performance

- Readily biodegradable liquid protease enzyme
- Enables energy savings with lower wash temperatures
- Enhances washing efficiency and water savings
- Enables concentrated formulations, therefore reduces CO₂
- Efficient non-boron stabilizing technology
- Meets requirements of EU Ecolabel, Blue Angel and Nordic Swan
- No preservation added
- Supports soaking process and direct application for removal of persistent stains in manual dish washing

Renewable non-boron stabilized ingredient for the removal of tough stains in sustainable laundry and hand dish formulations



Accelerator

Lavergy® C Bright 100 L

Product information

Application	Laundry Detergents
Customer industry	Home Care and I&I
Market	Global

Differentiation potential

- Customer**
 - High compatibility in liquid formulations
 - Enables anti-graying claims
 - Biological and renewable alternative
- Consumer**
 - Anti-graying keeps textiles looking new for longer
 - Energy savings (low temp.)

Sustainability performance

- Readily biodegradable liquid cellulase with high compatibility in liquid detergents
- Delivers strong anti-graying performance at low temperatures on cotton
- Enables energy savings with lower wash temperatures
- Enhances washing efficiency and water savings
- Majority bio-based*
- Meets EU Ecolabel criteria
- Textiles look new for longer



Anti-graying Cellulase that enables cleaner results at lower temperatures

*Renewable Carbon Index: 95% > X > 50%

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Accelerators Industrial Formulations

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Accelerator

Disponil® APG 425

Process information

Application: Emulsion polymerization
Customer Industry: Paints and coatings, adhesives and sealants
Market: Europe

Sustainability performance

- Alkylpolyglycoside (fatty alcohol and sugar), Readily biodegradable
- EO free emulsifier, avoids formation of toxic formaldehyde in emulsion polymerization process
- Supports meeting eco-label requirements

→ Renewable based emulsifier with superior environmental profile



Differentiation potential

- Customer:
- Biodiversity and renewables
 - Emission reduction
 - Health and Safety

Accelerator Disponil® APG 215

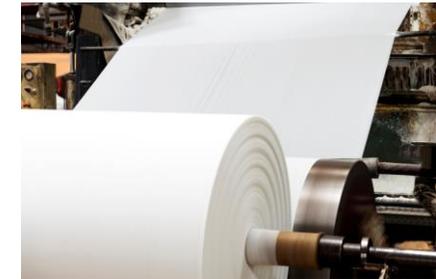
Process information

Application: Thermo-mechanical pulp (TMP)
Customer Industry: Pulp and Paper
Market: Europe

Sustainability performance

- Alkylpolyglycoside (fatty alcohol and sugar), fully based on renewable resources
- Readily biodegradable
- Energy usage reduction

→ Sustainable and energy saving solution without changing fiber properties



Differentiation potential

Customer:

- Biodiversity and renewables
- Emission reduction
- Cost savings downstream
- Resource efficiency

Accelerator

Lupasol[®] G 20 range, Lupasol[®] G 100, Lupasol[®] FG, Lupasol[®] PR 8515

Process information

Application: Adhesion promoter
Customer industry: Paints and coatings, adhesives and sealants
Market: Europe



Sustainability performance

- High charge density makes these products ductile adhesion promoters, suitable for a broad range of different materials
- Low application rate 50 – 150 mg/m²
- Wet-Adhesion enhancer for emulsion paints, making unnecessary the usage of special monomers (Lupasol[®] G 20 (waterfree))
- Compatible with cationic and non-ionic systems

→ Highly ductile adhesion promoters

Differentiation potential

- Customer:
- Cost savings downstream
 - Resource efficiency

Accelerator Lutropur[®] MSA range

Process information

Application: Various, e.g. Metal Surface Treatment, Cleaning, Chemical Processing, Biofuels, Mining, Drilling

Customer Industry: Chemicals industry

Market: Europe, N. America, Asia/Pacific

Sustainability performance

- Strong and odorless organic acid with superior efficiency
- Part of the natural sulfur cycle, readily biodegradable
- Unique, more efficient and safer production process than competition (e.g. no co-product, air oxidation instead of chlorine oxidation)
- Replacement of acids with low environmental and health profile (HCl, HF, PSA, HBF₄, HNO₃, etc.)
- Highly efficient catalyst with low side product formation
- Enabler for second generation biofuel technologies (biofuel from waste streams)

→ Strong organic acid with high efficiency and low environmental impact

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Differentiation potential

Customer:

- Cost savings downstream
- Biodegradability
- Pollution (air, soil, noise)
- Resource efficiency
- Water scarcity and pollution
- Health and safety

Accelerator

Nuclesil[®] 10, Nuclesil[®] 70 and Nuclesil[®] 80

Process information

Application: Binder
Customer Industry: Steel industry, Foundry industry
Market: Europe

Sustainability performance

- Aqueous sodium silicate solutions as base for emission-free (non-VOC) foundry binders
- Alternative to organic binders to fulfill statutory provision
- Alternative for Phenol-, Furan-, Isocyanate-, Amine-based binders

→ Best available technology for foundry binders



Differentiation potential

- Customer:
- Pollution (air, soil)
 - Health and safety

Accelerator Pluriol® C 1651

Process information

Application: Plasticizer
Customer industry: Rubber industry, Plastics industry
Market: Europe

Sustainability performance

- Highly compatible plasticizer to improve the low-temperature flexibility of polar elastomers
- Label-free according to CLP
- Used as a cold temperature softener

→ Label-free plasticizer for Rubber and Plastics industry



Differentiation potential

Customer:
■ Health and safety

CLP: classification on labelling and packaging of substances and mixtures

Accelerator

Agnique[®] AMD 810, Agnique[®] AMD 10 and Agnique[®] AMD 12

Process information

Application:	Solvent
Customer Industry:	Agriculture
Market:	Global



Sustainability performance

- Based on renewable resources
- Readily biodegradable
- Strong solvency power
- Versatile alternative to conventional, hazardous solvents
- Improves active ingredient uptake through the plant leaf

Differentiation potential

- Health and safety
- Resource efficiency
- Biological efficacy

→ Low-hazardous alternative to conventional solvents

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Accelerator Agnique[®] AMD 3 L

Process information

Application: Solvent
Customer Industry: Agriculture
Market: Global

Sustainability performance

- Label-free according to CLP
- Based on renewable resources
- Readily biodegradable
- Strong solvency power
- Versatile alternative to conventional, hazardous solvents (e.g. NMP)
- Very selective on plants

→ Label-free alternative to conventional solvents



Differentiation potential

- Health and safety
- Resource efficiency
- Biological efficacy

CLP: classification on labelling and packaging of substances and mixtures

Accelerator Agnique® AE 3-2EH

Process information

Application: Solvent
Customer Industry: Agriculture
Market: Global

Sustainability performance

- Based on renewable resources
- Readily biodegradable
- Low hazardous solvent
- Low odor
- Enhances uptake of active ingredients

→ Low hazardous alternative to conventional solvents



Differentiation potential

- Health and safety
- Resource efficiency
- Biological efficacy

Accelerator

Agnique[®] ME 18 SD-F and Agnique[®] ME 18 RD-F

Process information

Application: Base oil
Customer Industry: Agriculture
Market: Global

Sustainability performance

- Label-free according to CLP
- Based on renewable resources
- Readily biodegradable
- Enhances penetration of active ingredients into the leaf
- Improves biological efficacy

→ Non-hazardous, multi-performance additive



Differentiation potential

- Health and safety
- Resource efficiency
- Based on renewable resources
- Biological efficacy

CLP: classification on labelling and packaging of substances and mixtures

Accelerator Agnique® ME 1218

Process information

Application: Solvent, adjuvant

Customer Industry: Agriculture

Market: Global

Sustainability performance

- Label-free according to CLP
- Based on renewable resources
- Readily biodegradable
- Acts as solvent and adjuvant
- Improves biological efficacy due to uptake increase

→ Non-hazardous alternative to conventional solvents



Differentiation potential

- Health and safety
- Resource efficiency
- Based on renewable resources
- Biological efficacy

CLP: classification on labelling and packaging of substances and mixtures

Accelerator Agnique® PG 8105-G and Agnique® PG-8107-G

Process information

Application: Adjuvant and Compatibilizer

Customer Industry: Agriculture

Market: Global



Sustainability performance

- Based on renewable resources
- Readily biodegradable
- Excellent ecotoxicity profile
- Can replace TAM EO in Glyphosate formulations
- Highly salt tolerant adjuvant

Differentiation potential

- Reduces water scarcity and pollution
- Environment, health and safety
- Resource efficiency

→ Alternative to tallow amine ethoxylates

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Accelerator Agnique® PG 8107 BL

Process information

Application: Low Foam Adjuvant

Customer Industry: Agriculture

Market: Global

Sustainability performance

- Readily biodegradable
- Based on renewable resources
- Low ecotoxicity
- Formulated for low foam → easier handling in process and application
- Can replace TAM EO in Glyphosate formulations
- Highly salt tolerant adjuvant

→ Alternative to tallow amine ethoxylates



Differentiation potential

- Reduces water scarcity and pollution
- Environment, health and safety
- Resource efficiency

Accelerator Agnique® SBO 10

Process information

Application: Adjuvant
Customer Industry: Agriculture
Market: Global

Sustainability performance

- Label-free according to CLP
- Based on renewable raw materials
- Readily biodegradable
- Boosts systemic active ingredient performance

→ More efficient usage of active ingredient



Differentiation potential

- Reduces water scarcity and pollution
- Environment, health and safety
- Biological efficacy

CLP: classification on labelling and packaging of substances and mixtures

Accelerator Agnique® BL 3095

Process information

Application: Tank Mix Adjuvant
Customer Industry: Agriculture
Market: Global

Sustainability performance

- Label-free according to CLP
- Based on renewable raw materials
- Fully formulated tank mix
- Tank mix adjuvant to boost systemic actives
- Can replace mineral oil based tank mix adjuvants

→ More efficient usage of active ingredient



Differentiation potential

- Reduces water scarcity and pollution
- Environment, health and safety

CLP: classification on labelling and packaging of substances and mixtures



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