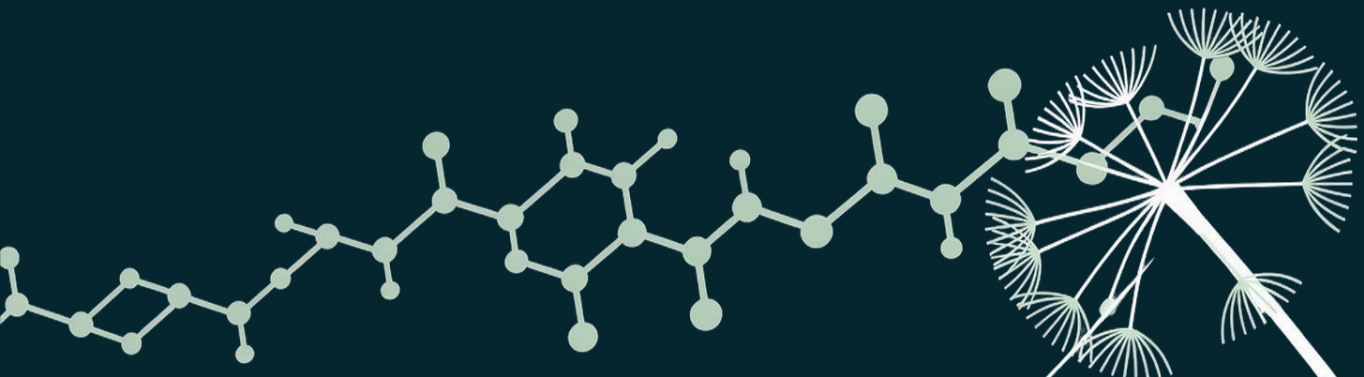
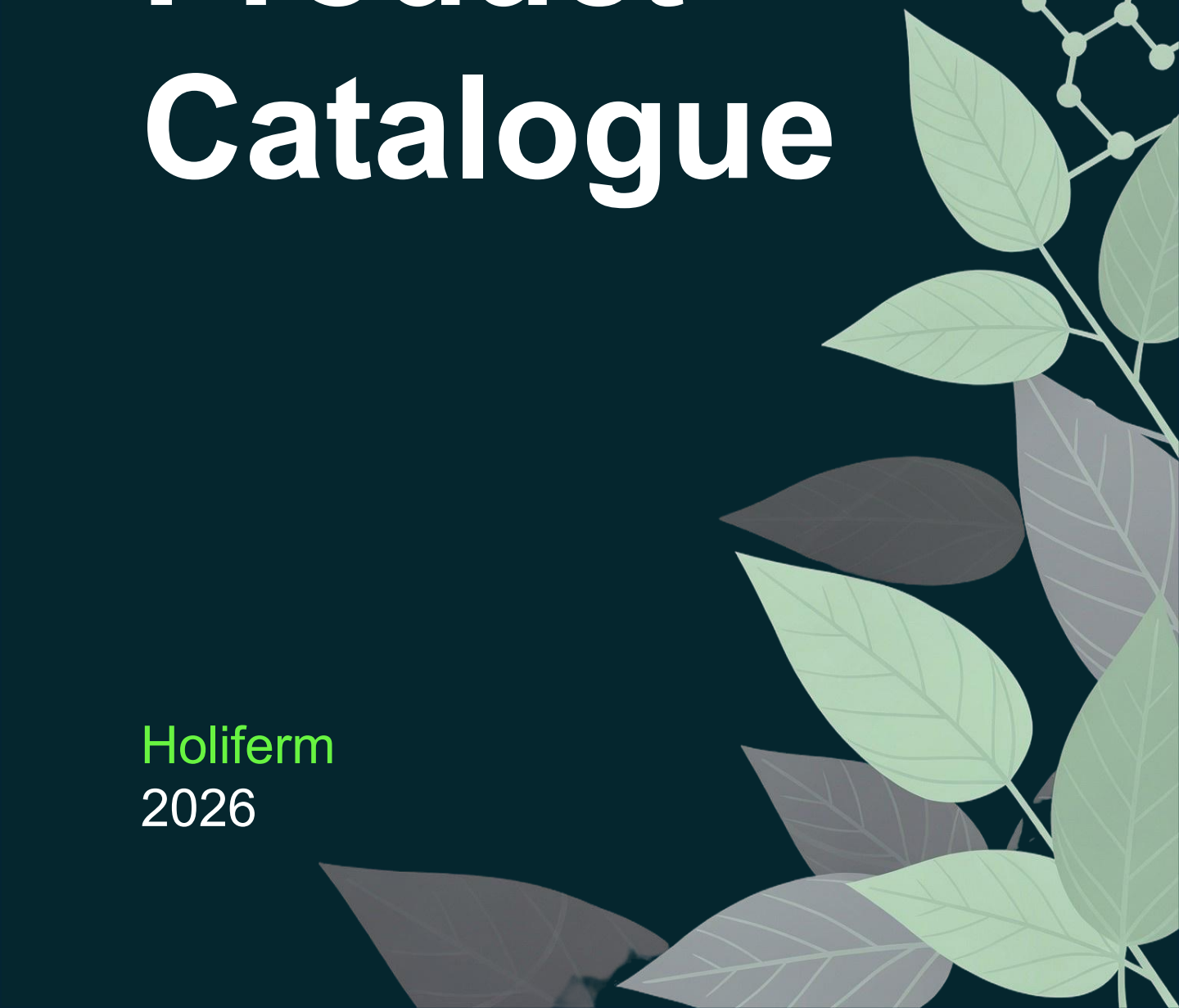


Product Catalogue



Holiferm

2026

Product Catalogue

Why Holiferm?

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Holiferm is redefining chemicals with nature-derived, fermented chemistry.

A unique new ingredient: Glycolipid biosurfactants.

100% natural, minimally processed.
Fermented, not engineered.

End-to-end formulation support.

Complete formulation expertise.
100% natural, clean ingredients.

Market Intelligence

Staying ahead of next-gen ingredient and certifications.
Tracking trends in CPG.



Product Catalogue

Product Overview

holiferm

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Three product lines to support your different industries.

All products boast natural multifunctional capabilities within each application.

Product	Application
Holisurf®	Personal Care and Cosmetics
Honeysurf®	Home, Industrial and Institutional
Agrisurf®	Technical industries, including Agriculture

INCI: Glycolipids



Product Catalogue

Holisurf ® HF and LF

holiferm

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Cosmetics & personal care biosurfactant with unique characteristics:

- Ultra-mild, sustainable ingredients
- Improve cleansing performance and improve cost performance benefits of formulation in conditioning, shampoos, cleansers and leave-ons
- Improved sebum control and skin hydration
- Replace BTAC in conditioners with performance parity and better cost

Holisurf ® HF	Holisurf ® LF
• Excellent cleansing & dispersing • High-HLB emulsifier • Fragrance solubiliser • Foam boosting • Unbeatable mildness, hydrating on skin & scalp • Microbiome friendly • Suitable for all skin types including sensitive, dry, oily & acne-prone • Low carbon footprint, local feedstocks, UK manufacture, readily biodegradable, non-GMO, 100% renewable carbon index	• Powerful cleansing & grease removal • Excellent emulsification of o/w & w/o systems • Fragrance solubiliser • Lower foam • Extremely mild on skin & scalp • Microbiome friendly • Suitable for all skin types including sensitive, dry, oily & acne-prone • Low carbon footprint, local feedstocks, UK manufacture, readily biodegradable, non-GMO, 100% renewable carbon index

Key applications

Facial cleansers, toner, serum, intimate wash products, wipes, shampoo, conditioner, body wash, skin cream, make-up, sunscreen, deodorant	Cleansers, shampoo, conditioner, anti-acne products, wipes, skin cream, deodorant, sunscreen, make-up

INCI: Glycolipids

Approved by ECOCERT RAW MATERIAL COSMOS APPROVED

MICROBIOME.info FRIENDLY



Product Catalogue

Holisurf ® BABY CARE

holiferm

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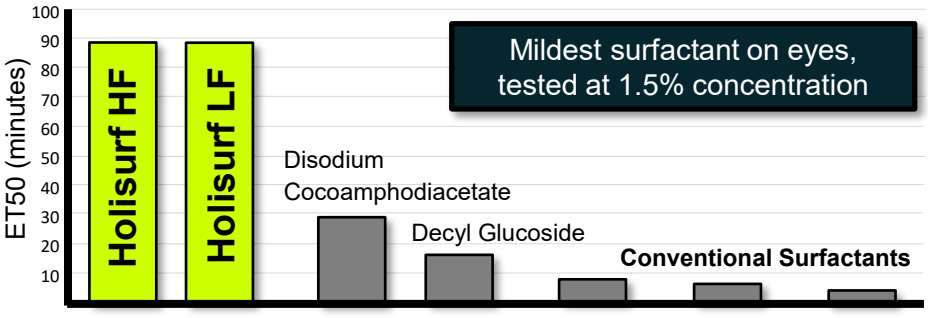
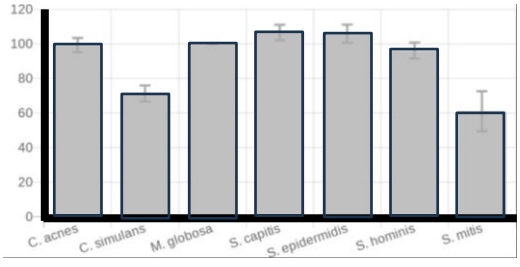
Why Holisurf HF/LF for Baby Care

- **Improved eye mildness** – no more tears
- **Mildest on skin** and **improved skin barrier protection**
- Same cleansing power at a **lower active concentration** for cost-effective safer formulations

Data Backing Our Claims



HoliSurf HF supports skin microbiome



Microbiome friendly
Certified: 04/2024
No. 24.859.18.1
Standard 18.10
Face
1.6
www.MyMicrobiome.info

Formulation Examples

Baby Shampoo Baby Balm

Product Catalogue

Holisurf ®

FACIAL CLEANSING

holiferm

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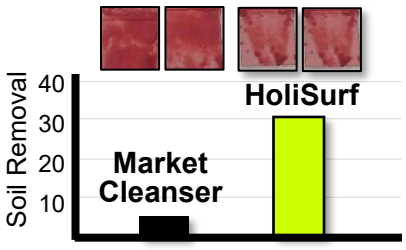
Why Holisurf HF/LF for Facial Cleansing

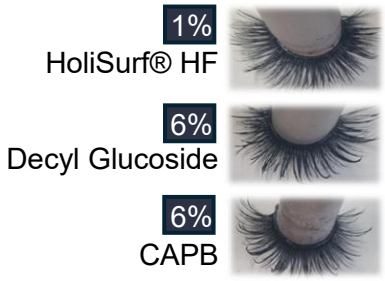
- **Higher cleansing performance** than alternative surfactants, both alone and in combination
- Same cleansing power at a **lower active concentration** for cost-effective formulations
- Improved **skin hydration, sebum control** and protection of the skin barrier and microbiome
- Boosting **anti-microbial activity**.

Data Backing Our Claims

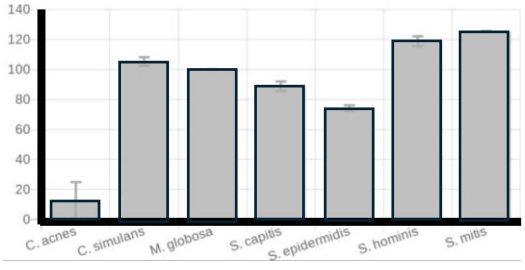
Great at sebum removal



Improved mascara removal



HoliSurf LF boosts anti-acne in cosmetics



Microbiome friendly
Certified: 04/2024
No. 24.847.18.2
Standard 18.10
Face
2.0
www.MyMicrobiome.info

Formulation Examples

Facial foam
Gel Cleanser
Glycolipid Cleanser
Exfoliating Cleanser
Oil to milk cleansing balm
Micellar Water

Product Catalogue

Holisurf ® HAIR CARE

holiferm

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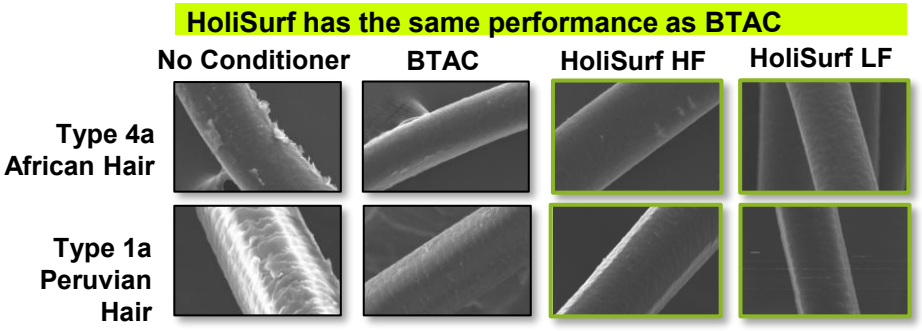
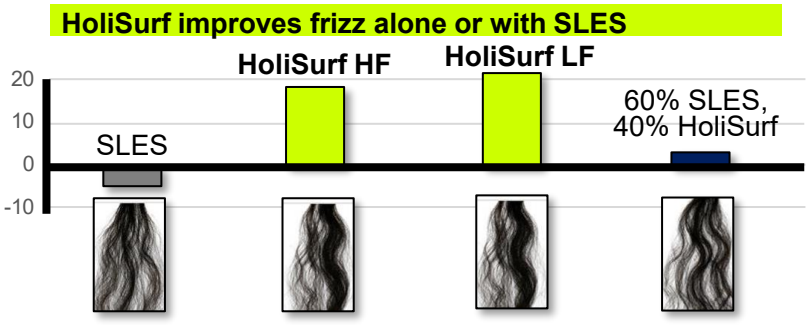
Why Holisurf HF/LF for Hair Care

- **Superior cleansing** (hair cortex and capillary surface), frizz reduction and combability;
- **Improved scalp hydration**, health and microbiome protection.
- **Maintain foam**
- Replace **BTAC** in conditioners maintaining performance and cost

Data Backing Our Claims





Formulation Examples

2 in 1 Shampoo
Shampoo Bar
THE Shampoo
Sulphate-Free Shampoo
Leave-In Conditioning spray
PQ-Free Conditioner

Product Catalogue

Holisurf ® ORAL CARE

holiferm

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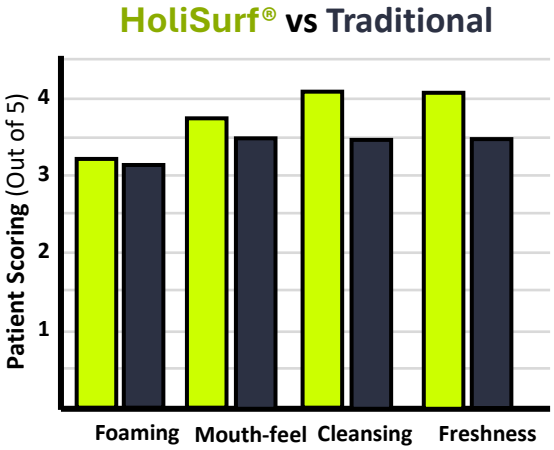
Why Holisurf HF/LF for Oral Care

- Holisurf HF/LF **inhibits oral pathogens** both in planktonic and oral biofilm states[1,2]
- Safe and effective
- Exceptionally mild
- **Excellent solubilising** properties and no bitter taste so flavour concentration can be reduced

Data Backing Our Claims

HoliSurf® boosts bio-film / plaque removal for natural toothpastes.



Day 1-14:
Traditional toothpaste



Day 15-28:
HoliSurf® toothpaste



1: J Appl Microbiol. 2017 Nov; 123(5):1111-1123. doi: 10.1111/jam.13550. Epub 2017 Oct 16,
2: Journal of Microbiological Methods. Volume 136, May 2017, Pages 21-29 .

Formulation Examples

Natural Mouth Wash
Toothpaste

Product Catalogue

Holisurf ® LEAVE ON

holiferm

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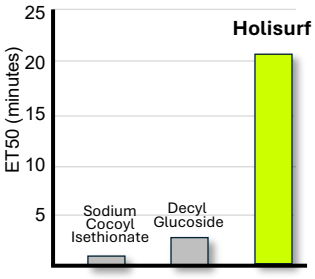
Why Holisurf HF/LF for leave-on

- Used in **both water-in-oil and oil-in-water** applications.
- Maintains a healthy microbiome and boosts anti-acne
- Exceptionally mild to skin barrier

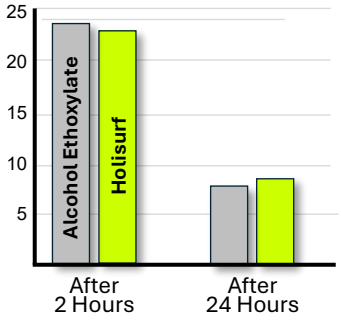
Material	CMC (activeg/L)	HLB - At pH ≥7
HoliSurf HF	~0.25	~17.8
HoliSurf LF	~0.25	~11

Data Backing Our Claims

Gentle on Skin Barrier

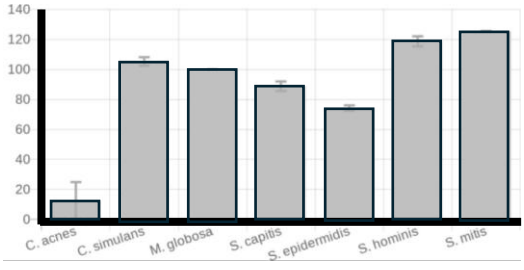


Maintains skin hydration



Maintains skin hydration when replacing ceteareth-20, ethoxylated cetyl alcohol

HoliSurf LF boosts anti-acne in cosmetics



Microbiome friendly
Certified: 04/2024
No. 24.847.18.2
Standard 18.10
Face
2.0
www.MyMicrobiome.info

Formulation Examples

Hand Cream
Moisturising Cream
Rich Facial Lotion
Sun Block
Deodorant Stick
Beef Tallow Balm

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Holisurf ® MULTIFUNCTIONAL

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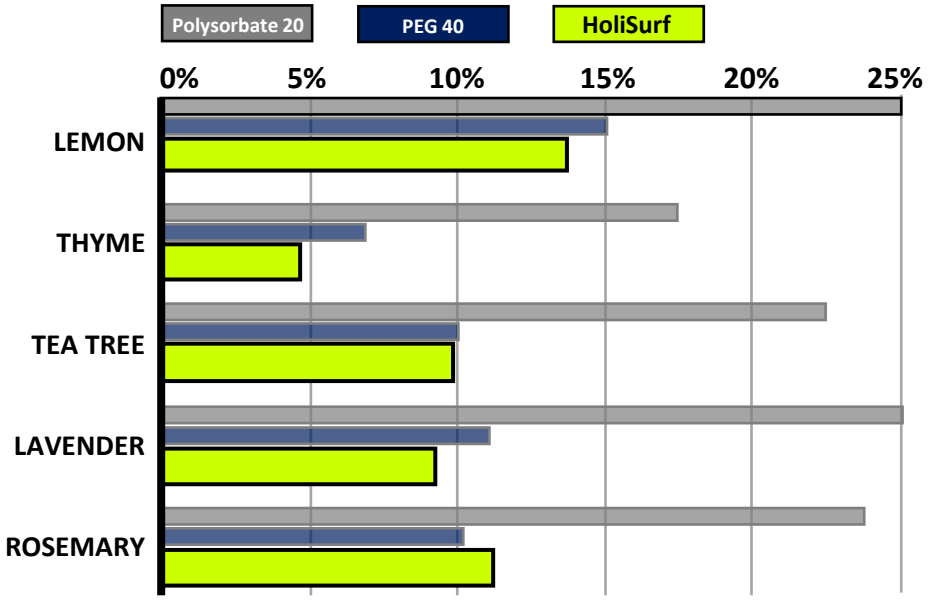
What do we mean by multifunctional?

Holisurf® was designed by nature, not chemistry. That means it is multifunctional and can replace multiple ingredients in your product formulations.

Data Backing Our Claims

Honeysurf® solubilizes fragrance equal or better than PEG 40 and Polysorbate 20



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Honeysurf® HF and LF

holiferm

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Home, Industrial and Institutional biosurfactant with unique characteristics:

- Cost-reduction at BOM level versus plant-based surfactants
- 4X-8X better performance than glucosides or alcohol ethoxylates
- Low and Medium foam options
- Suitable for concentrates / refillable products
- Readily Biodegradable <28 days, and low aqua-toxicity
- Coconut, Palm, and Petrochemical free

Honeysurf ® HF	Honeysurf ® LF

• Excellent cleansing, solubilising & dispersing properties
• No negative effects on plastics and surfaces
• Extremely mild & hydrating on skin, microbiome friendly
• Suitable for:
  ◦ High foam cleaning applications
  ◦ Low pH formulations
• Low carbon footprint, local feedstocks, UK manufacture, readily biodegradable, non-GMO, 100% renewable carbon index
	• Excellent degreasing & emulsification properties
	• No negative effects on plastics and surfaces
	• Extremely mild on skin, microbiome friendly
	• Suitable for degreasing & cleaning applications
	• Low carbon footprint, local feedstocks, UK manufacture, readily biodegradable, non-GMO, 100% renewable carbon index

Key applications

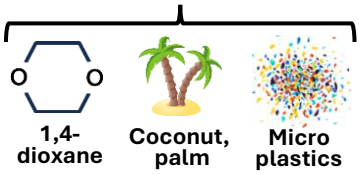
Bathroom cleaner, glass cleaner, general purpose cleaner, laundry liquid, hand dish wash liquid, stain remover, rinse-aid	Hard surface cleaner, laundry liquid, hand dish wash liquid, general purpose cleaner, fabric care, auto dish-wash

INCI: Glycolipids

CALIFORNIA PROPOSITION 65 PROP 65 COMPLIANT

ECO CERT ECODÉTERGENT

Suitable for formulations without





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Honeysurf®

SURFACE CLEANING

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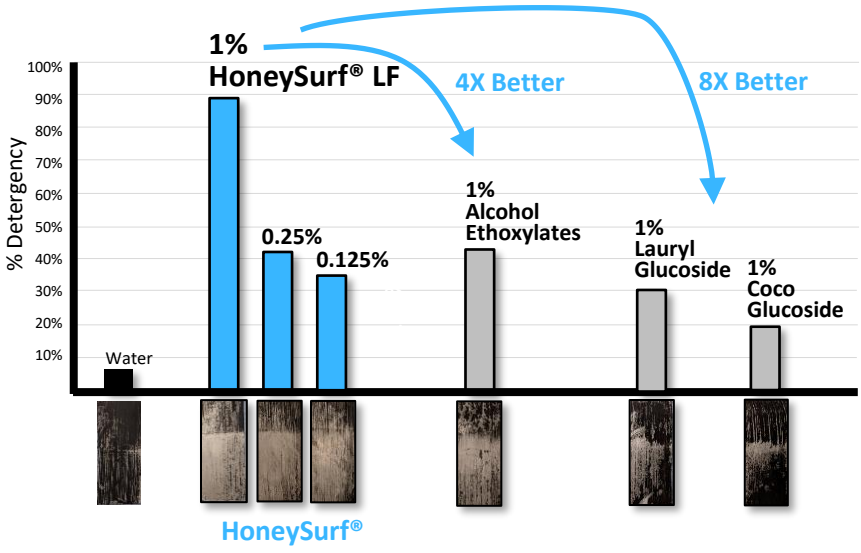
Why Honeysurf for surface cleaning

- **4X more effective than alcohol ethoxylates**
- **8X more effective than glucosides**
- De-forestation free
- Readily biodegradable, low aquatoxicity
- Safe for pets and children
- Does not damage plastics / surfaces
- Low-to-medium tuneable foam

Data Backing Our Claims



Formulation Examples

All Purpose Cleaner Veggie Wash
Car Wash Concentrate Glass Cleaner

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Honeysurf® Laundry

holiferm

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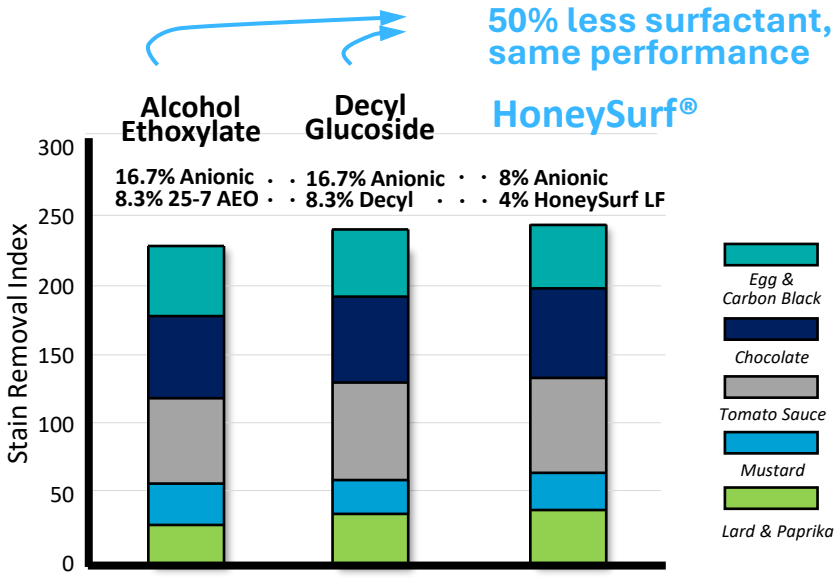
Why Honeysurf for laundry

- **50% less surfactant needed** for the same performance as glucosides and alcohol ethoxylates
- Low-to-medium tunable foam
- Readily biodegradable, low aquatoxicity
- Safe for pets and children
- **Gentle on dyes and textiles**

Data Backing Our Claims



Formulation Examples

Laundry Liquid

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Honeysurf® DISHWASH

holiferm

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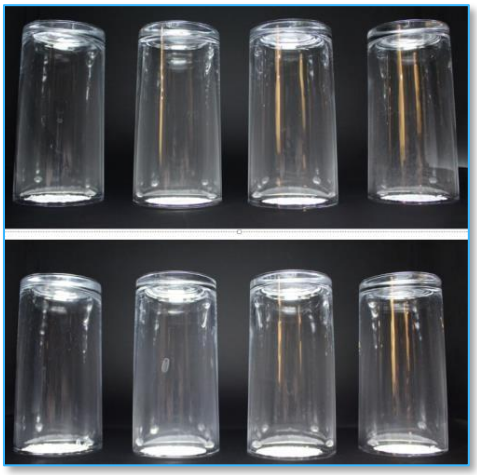
Why Honeysurf for Dishwash

- **4X more effective than alcohol ethoxylates**
- **8X more effective than glucosides**
- De-forestation free
- Readily biodegradable, low aquatoxicity
- Safe for pets and children
- Extremely gentle on hands and skin

Data Backing Our Claims

Prevents water spotting at 0.2% Honeysurf LF



Honeysurf LF

Leading Brand

Formulation Examples

Hand and Dish Soap

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Honeysurf® MULTIFUNCTIONAL

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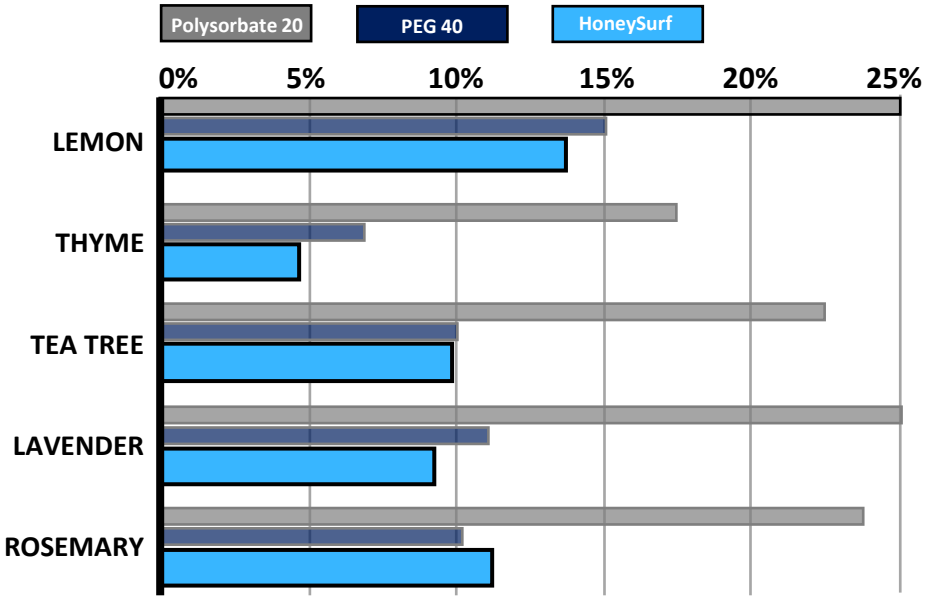
What do we mean by multifunctional?

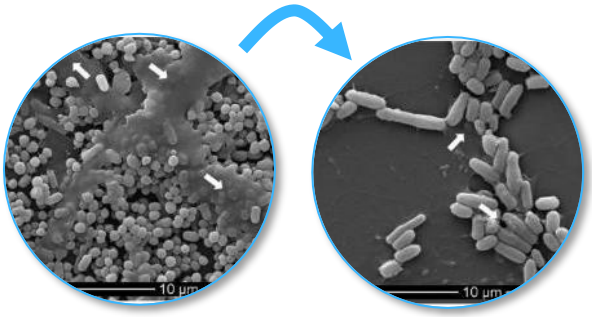
Honeysurf® was designed by nature, not chemistry. That means it is multifunctional and can replace multiple ingredients in your product formulations.

Data Backing Our Claims

Honeysurf® solubilizes fragrance equal or better than PEG 40 and Polysorbate 20



Honeysurf® boosts microbial control, preventing biolfilm growth



Product Catalogue

Agrisurf® HF and LF

holiferm

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Technical-grade biosurfactant with unique characteristics:

- Cost-reduction at BOM level versus plant-based surfactants
- 4X-8X better performance than glucosides or alcohol ethoxylates
- Low and Medium foam options
- Readily Biodegradable <28 days, and low aqua-toxicity
- Coconut, Palm, and Petrochemical free

Agrisurf ® HF and LF

- Excellent cleansing, solubilising & dispersing properties
- No negative effects on plastics and surfaces
- Critical Micelle Formation at very low concentrations
- Suitable for:
  - Agrisurf HF – broad pH ranges and complex formulations
  - Agrisurf LF – product formulations wanting low foam
- Low carbon footprint, local feedstocks, UK manufacture, readily biodegradable, non-GMO, 100% renewable carbon index

Key applications

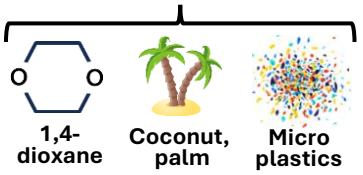
Turn and Ornamentals, Agriculture, Textiles, Mining, Oil and Gas, Animal Feed

INCI: Glycolipids

PROP 65 COMPLIANT

ECO CERT ECODÉTERGENT

Suitable for formulations without





Product Catalogue

Agrisurf®

TECHNICAL

holiferm

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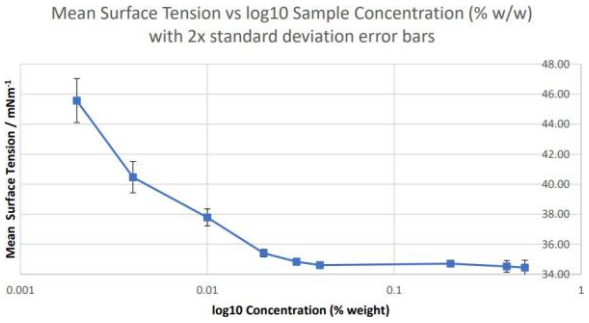
Why Agrisurf for technical applications

- High performance with sustainable story
- **4X more effective than alcohol ethoxylates**
- **8X more effective than glucosides**
- Readily biodegradable, low aquatoxicity
- Safe for pets and children
- Extremely gentle on hands and skin

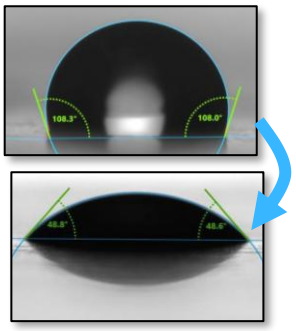
Data Backing Our Claims

Agrisurf® has a low CMC, meaning better performance at lower concentrations

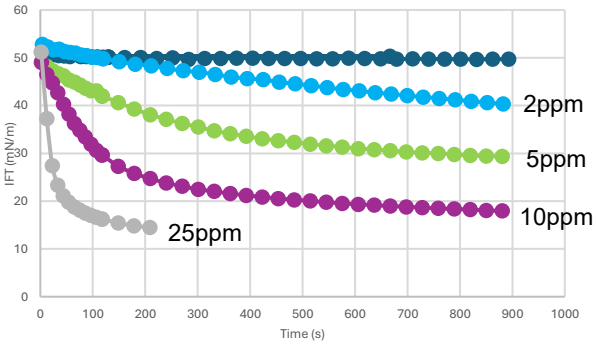


Material	CMC (g/L)	CMC (mM)
AgriSurf HF	~0.25	~0.40
AgriSurf LF	~0.25	~0.36
SLES	3.37	8
C9-11 6EO	0.29	0.68

Agrisurf® improves wetting performance at 0.5% inclusion



Agrisurf® reduces interfacial tension at 2ppm inclusion



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Clean-label compatible

Suitable for formulations without **parabens, phthalates, SLS/SLES, formaldehyde donors, 1,4-dioxane, PFAS,** and **coconut, palm, or petro** supply chains**.**

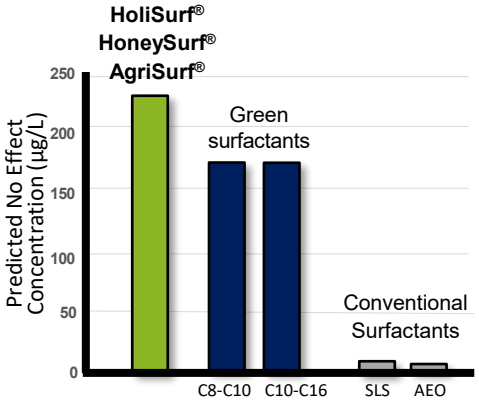
Produced by with **minimal processing** and **no solvent usage**

CO_2 and energy reduction

- LCA shows a circa 1.5 tonne (>50%) CO2 reduction compared to petrochemical surfactants and bigger vs most APGs.
- Uses **>50% less energy** than traditional sophorolipid fermentation process.
- Innovation projects targeting net 0 scope 3 cradle to gate in 2025.

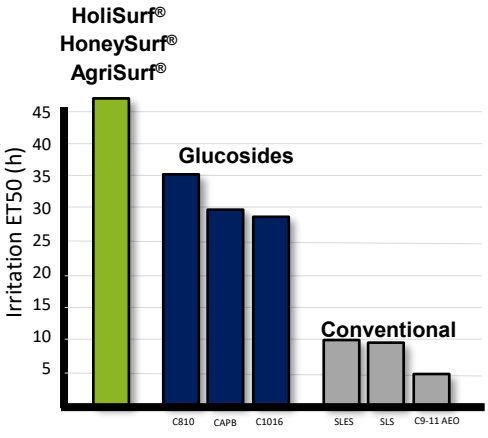
Environmentally and certification friendly

Non-Toxic to the environment



Higher values = lower aquatic toxicity

Safe on skin, eyes, and surfaces



>24 on ET50 = Non-irritant

COSMOS Approved

Vegan Approved

Prop 65 compliant

Microbiome Friendly

Cruelty Free

Safer Choice Coming 2026

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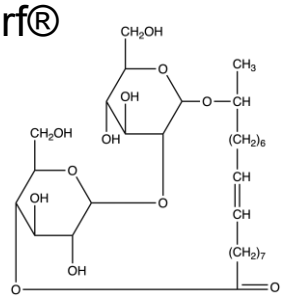
LACTONIC FORM (LF)

HoneySurf®/ HoliSurf® / AgriSurf®



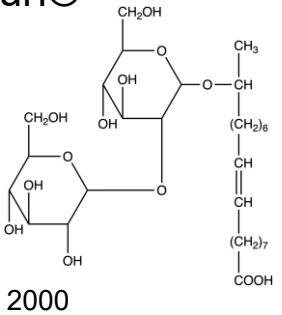
85% Lactonic, 15% Hydrolyzed

Technical Specification
- Form at 21ºC: Liquid
- Appearance: Amber
- Gardner colour: <8.5
- Density (g/L): 1.0 - 1.2
- Viscosity at 21ºC (SVM) mPas (cP): 300 - 1500
- SL content W%: 55-65
- pH: 4.0 - 7.0
- HLB: 11 (pH ≥7)

Formulation Tips
- Optimal cleaning performance between pH 5-7
- Stable between pH 2-8
- Tunable foam with Ph
- Powerful cleansing & grease removal

HYDROLYZED FORM (HF)

HoneySurf®/ HoliSurf® / AgriSurf®



5% Lactonic, **95% Hydrolyzed**

Technical Specification
- Form at 21ºC: Liquid
- Appearance: Amber
- Gardner colour: <8.5
- Density (g/L): 1.0 - 1.2
- Viscosity at 21ºC (SVM) mPas (cP): 300 - 2000
- SL content W%: 55-65
- pH: 6.0 - 9.0
- HLB: 17.8 (pH ≥7)

Formulation Tips
- Stable between pH 3-10
- Foam boosting
- Unbeatable mildness, hydrating on skin & scalp
- Suitable for all skin types

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Manufacturing

- Manufactured with local ingredients out of Liverpool, UK.
- 1600 ton annual capacity, expansion to 15,000 tons planned.
- Distributed globally to 52 countries.

Manufacturing Plant
Units 7-14
Ocean Park
Birkenhead
CH41 1HW

Formulation Lab
Unit 15, Severnside Trading Estate, Textilose Rd, Trafford Park, Manchester, United Kingdom
M17 1WA


holiferm