



VEOZOITM
BIOPHARMA

HARNESSING BIOMOLECULES FOR BETTER LIVING



AN
ECO-CONSCIOUS
BIO-SURFACTANT

VEOSURFTM

**SUSTAINABLE SOPHOROLIPIDS
BIOSURFACTANT**

High performance • Biotech-based • Future ready

VEOSURFTM range of sophorolipid biosurfactants are fermentation-derived, eco-friendly, non-toxic and readily biodegradable surface active molecules for a wide spectrum of industrial applications.



Available
in **1L to 50L**
containers



BIOTECH
BASED



READILY
BIODEGRADABLE



LOW CMC-HIGH
EFFICIENCY



SUPERIOR
WETTING



HIGH
EMULSIFICATION



ANTIMICROBIAL &
ANTI-BIOFILM



NON TOXIC



FOOD
CONTACT SAFE



ECO FRIENDLY



WORKER SAFE

Veosurf L50 (Lactonic Sophorolipid)

KEY FEATURES

- Higher surface activity
- Excellent detergency & grease removal
- Strong emulsification & solubilization
- Good wetting & spreading
- Superior antimicrobial performance
- Effective at low concentration

APPLICATIONS

- Industrial & Institutional Cleaners
- Degreasers & Metal Cleaners
- Hard Surface & Equipment Cleaning
- Oil Spill Treatment & Dispersants
- Paints, Coatings & Inks
- Cosmetics & Personal Care
- Perfumeries



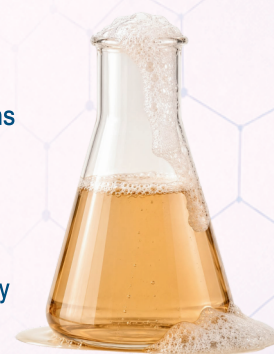
Veosurf A50 (Acidic Sophorolipid)

KEY FEATURES

- Mild surface activity
- Excellent foaming properties
- High biodegradability
- Better dispersion capability
- Compatible with biological systems
- Environmentally benign

APPLICATIONS

- Agriculture & Crop Protection
- Bioremediation & Waste Treatment
- Oil Recovery & Enhanced Oil Recovery
- Textile Processing
- Mining & Mineral Processing
- Cosmetics & Personal Care
- Detergent-Homeware



New applications can be explored through collaboration.



FERMENTATION
DERIVED



NON-TOXIC
SAFE TO USE



SUSTAINABLE
MANUFACTURING



SCALABLE
SUPPLY

Next Generation Biosurfactants
for a Greener Tomorrow

WIDE RANGE OF INDUSTRIAL APPLICATIONS

VEOSURF™



**INDUSTRIAL
CLEANING**



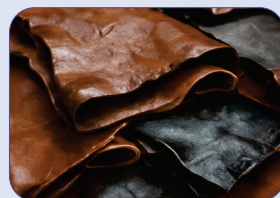
**METAL CLEANING
& SURFACE TREATMENT**



**PAINTS &
COATINGS**



**TEXTILE
CHEMICALS**



**LEATHER
CHEMICALS**



AGRICULTURE



OIL & GAS



**MINERAL
PROCESSING**



**PAPER
PROCESSING**



**FOOD
PROCESSING**



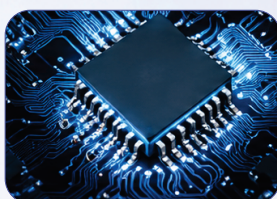
**PHARMACEUTICALS
& API**



**COSMETICS &
PERSONAL CARE**



**HOUSEHOLD
CLEANING**



**SEMICONDUCTOR
INDUSTRY**



**BIOREMEDIATION &
WATER TREATMENT**

MYRIAD APPLICATIONS

Lubricating Agent

Foaming Agent

Degreasing Agent

Wetting Agent

Biocidal Agent

For Remediations

Emulsifying Agent

Anti Biofilm Coats

Oil Dispersants

Plant Disease Management

VEOSURF™ COMPARISON AT A GLANCE

PROPERTIES	VEOSURF L50 (LACTONIC SL)	VEOSURF A50 (ACIDIC SL)
Surface Activity	★ ★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★
Foaming Properties	★ ★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★
Detergency	★ ★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★
Emulsification	★ ★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★
Wetting & Spreading	★ ★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★
Dispersion	★ ★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★
Mildness/Skin Friendliness	★ ★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★
Biodegradability	★ ★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★
Antimicrobial Activity	★ ★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★
Recommended Use	Heavy duty cleaning, degreasing, industrial applications	Foaming, mild formulations, agriculture, bioremediation

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