LIVINEX SL

Enabling companies and households across the globe to make better, more sustainable choices.

sasol

LIVINEX SL

Next-level care solutions for a cleaner future

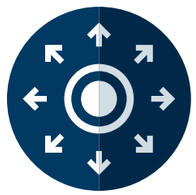
LIVINEX SL is a sophorolipid, multifunctional ingredient with excellent performance for sustainable household and industrial cleaning solutions. Produced by fermentation and planet-friendly processes.

LIVINEX SL: for a clean living space and future.

Natural materials
Made from palm-free, natural feedstocks, that are traceable and with a low product carbon footprint.

Safe for the environment
Being readily biodegradable and enviromental friendly, this material contains no 1,4-dioxane and uses no petrochemical solvents in the process.

High performance
Biodegradable, multi-functional surfactant combines superior performance with advance care properties.



Versatile
Multi-functional with a wide range of applications for home care, industrial and institutional uses.

Scalable
Produced using fermentation technology, enabling expansion to large-scale production with associated cost reduction.

LIVINEX SL

Sasol

Continuously committed to developing sustainable solutions

Sasol is committed to developing sustainable solutions and introducing low-carbon, bio-based feedstocks.

We believe every household should have access to sustainable products for their home care needs. We simultaneously strive to provide the ingredients and clarity to make this transition possible for every company and consumer.

Innovation has been our driving force for decades. Based on today's breakthrough technology, we can offer more sustainable solutions while reducing our carbon footprint. We can't deliver upon this promise alone. It is only by closely working with our partners that we can maximize our efforts and minimize our footprint.

Together we can create next-level solutions for a cleaner future without compromising on performance or quality.

A wide array of applications

LIVINEX SL can provide multi-functional properties for use in a variety of industries.

LIVINEX SL

C.A.S.E.

Film former

HOUSEHOLD, INDUSTRIAL & INSTITUTIONAL USE

Glass cleaner

All-purpose cleaner

Carpet shampoo

Dish wash

Bathroom tub & tile cleaner

Laundry detergent

Auto dish detergent

Car care, tar and bug removal

Auto engine degreaser

Brake cleaner

Train, truck & bus wash

INDUSTRIAL

SL A / SL L

The LIVINEX sophorolipid (SL) product range comes in two different 60 % active product types, specifically designed to maximise formulation design flexibility and efficiency.

LIVINEX SL L is a mild and low foaming lactonic sophorolipid rich type, while LIVINEX SL A is a mild and higher foaming acidic sophorolipid rich type.

Composition: Fermentation products of glucose and rapeseed oil with yeast Starmerella bombicola.

LIVINEX SL A (acidic)

PROPERTY	VALUE	UNIT	TEST METHOD
Appearance at 20 °C	Amber/yellow clear liquid	-	Visual
Colour (Gardner)	max. 8.5	-	Gardner, 10 mm cuvette
Sophorolipid content	52 - 62	% by mass	Calculated
Water content	25 - 40	% by mass	DIN EN ISO 3251
Free fatty acids	max. 10	% by mass	HPLC
pH (1% actives in demin. water)	6 - 9	-	DIN EN 1262
Viscosity	300 - 1500	mPa s	ASTM D4052
Lactone content	ca. 10	% by mass	HPLC

LIVINEX SL L (lactonic)

PROPERTY	VALUE	UNIT	TEST METHOD
Appearance at 20 °C	Amber/yellow clear liquid	-	Visual
Colour (Gardner)	max. 8.5	-	Gardner, 10 mm cuvette
Sophorolipid content	52 - 62	% by mass	Calculated
Water content	25 - 40	% by mass	DIN EN ISO 3251
Free fatty acids	max. 10	% by mass	HPLC
pH (1% actives in demin. water)	5 - 7	-	DIN EN 1262
Viscosity	300 - 1500	mPa s	ASTM D4052
Lactone content	ca. 90	% by mass	HPLC

Sophorolipid content is calculated by 100% – (water content + free fatty acids + acetate)

LIVINEX SL

Introducing biosurfactants

The cleaning agents of the future

Biosurfactants are natural compounds produced by living organisms, such as bacteria and yeast. They act as detergents, dispersants, emulsifiers, foaming agents or wetting agents. Surfactants play a crucial role in fabric and home care, in industrial and institutional applications and beyond.

Unlike traditional surfactants, often derived from petroleum or other non-renewable resources, LIVINEX SL is sourced from natural oils which are palm free. This makes them the sustainable option for various applications, including personal care, home care, and industrial cleaning.

Biosurfactants should not be confused with bio-based surfactants (drop-ins).

Unlike their chemically derived counterparts, biosurfactants are naturally occurring compounds, produced by fermentation. They are fully derived from natural oils and/or sugars, making them a more sustainable product with a lower product carbon footprint compared to petrochemical or various other bio-based surfactants. Furthermore, they are fully biodegradable, and well tolerated by aquatic organisms.

Interested in helping us create a cleaner future?

Visit our website to learn more about LIVINEX SL.

Sasol Chemicals
Essential Care Chemicals
Fabric Home Care and
Industrial & Institutional Cleaning
Technical Formulations

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