

HYDROSEAL

Purity, safety and
performance:

the winning combination
for **hybrid and silicone
sealants**



TotalEnergies

  specialfluids.totalenergies.com



HYDROSEAL: a complete range of plasticizers

HYDROSEAL is our range of hydrocarbon fluids used as plasticizers as an alternative to silicone oils.

In addition to recognized technical performances, including better transparency and easier extrusion, the **HYDROSEAL** range is produced from ultra-pure, odorless and non-toxic fluids for guaranteed operator safety.

Compared to silicone oils, their price positioning offers a significant reduction in formulation costs for both professional applications and private use.

Outstanding fluids

HIGH PURITY

- ▶ Clear fluids
- ▶ Highly saturated chemical structures with excellent UV stability
- ▶ Odorless and non-irritant
- ▶ Very low aromatics and sulfur content

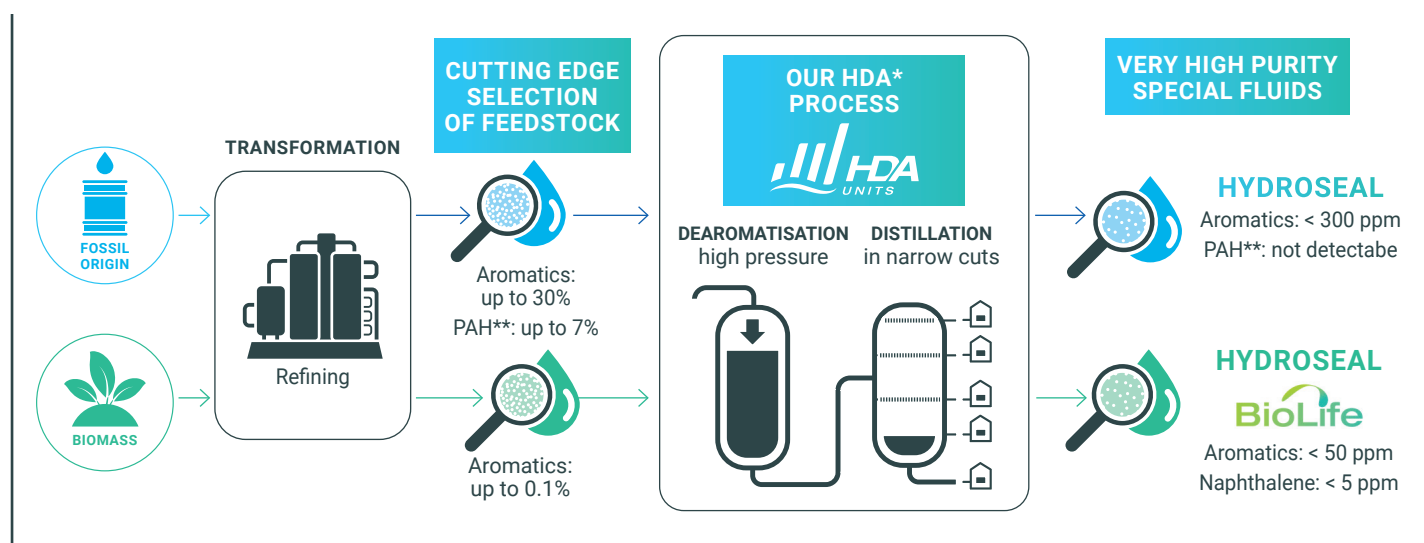
HIGH PERFORMANCE

- ▶ High performance at low temperature
- ▶ Non-staining to ferrous and non-ferrous metals
- ▶ High resistance to yellowing and UV aging
- ▶ Facilitate extrusion and use

HIGH SAFETY

- ▶ Approved for indirect food contact (FDA 21 CFR 178.3620(b))
- ▶ Meet EU pharmacopeia purity criteria

HDA*, a unique process



*HDA: HydroDeAromatisation / **PAH: Polycyclic Aromatic Hydrocarbons

The Special Fluids division of TotalEnergies: A global network with a local touch

A RECOGNISED GLOBAL LEADER

HEALTH AND SAFETY ARE THE CORNERSTONES OF OUR PROCESSES



MULTI-SKILLED TEAMS of passionate, seasoned specialists

A WIDE SELECTION OF PRODUCTS FOR VARIOUS INDUSTRIAL APPLICATIONS



PLANTS in France and the US



3 LEADING-EDGE R&D CENTRES two in France, one in Belgium, and a technical centre in India



● A health and safety-oriented solution

The **HYDROSEAL** range offers low VOC content (Volatile Organic Compounds), for improved air quality.

- ▶ It is not classified as carcinogenic, mutagenic or reprotoxic (CMR).
- ▶ It is NSF-H1 classified.

● Our responsible **HYDROSEAL** offers

Our high-performance **HYDROSEAL BioLife** and **HYDROSEAL EcoLife** ranges help to reduce your carbon footprint.



OFFER

HYDROSEAL BioLife, a bio-based range obtained from 100% certified raw materials, is a unique solution for a significantly lower environmental impact with the same product performance.

BioLife

OFFER

HYDROSEAL EcoLife, a sustainable range designed to offer carbon neutrality from our factory floor, fosters sustainability through renewable resources without altering your product performance or characteristics.

EcoLife



HYDROSEAL: Improve safety with no loss of performance

» UNIQUE PROPERTIES FOR IMPROVED SAFETY AND ENVIRONMENTAL PERFORMANCES

- ✓ Low aromatics content
- ✓ Odorless
- ✓ Biodegradable
- ✓ NSF-H1 certified
- ✓ Not classified as carcinogenic, mutagenic or reprotoxic (CMR)
- ✓ Not classified as a substance with acute or chronic toxicity
- ✓ Not classified as flammable according to CLP/GHS and transportation regulations
- ✓ Not classified as a skin irritant or sensitizer
- ✓ Low carbon footprint with our responsible offers



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