



**TotalEnergies**

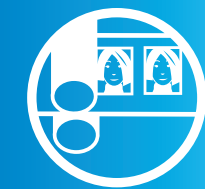
# SCRIPTANE

Hydrocarbon Solvents for Inks



**Paper &  
Packaging  
Inks**

**Digital &  
Ceramic  
Inks**



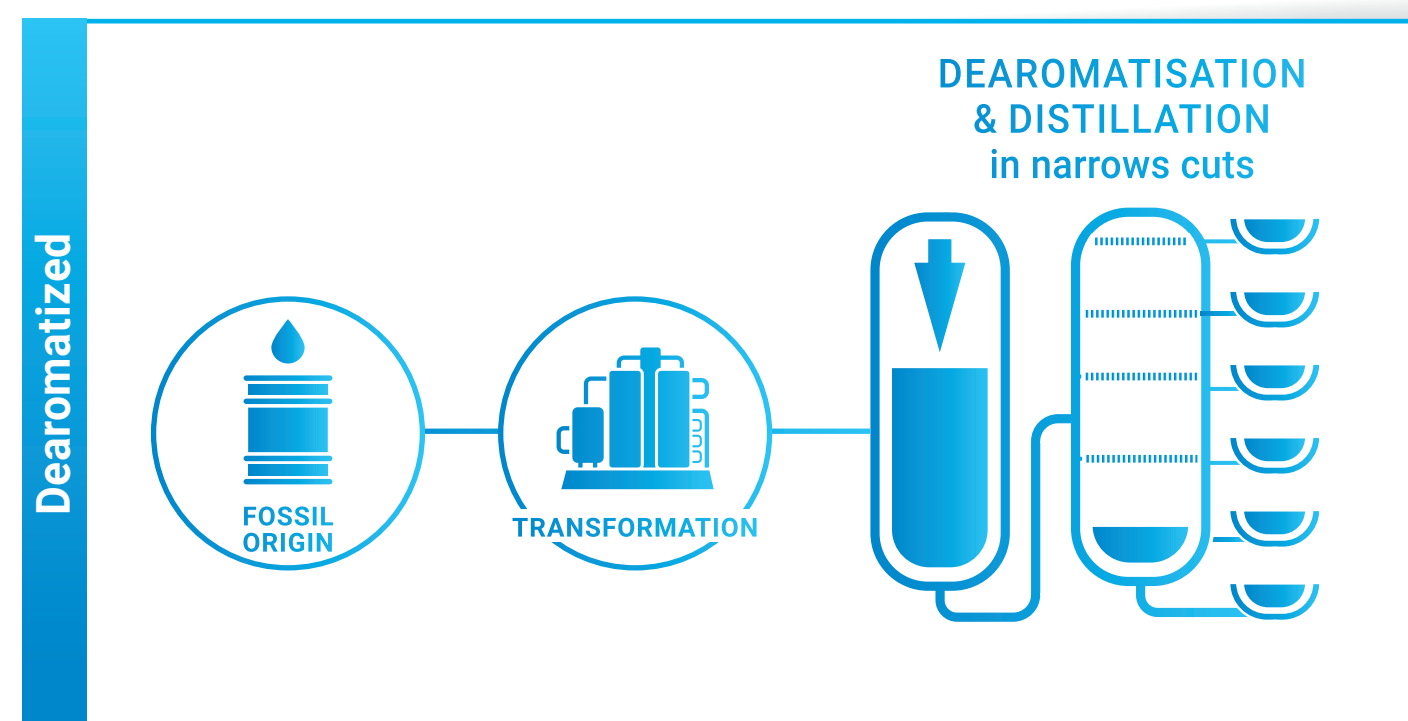
# Paper and Packaging Inks

The world of printing ink solvents is confronted with various requirements. TotalEnergies Fluids has therefore developed different ranges and offers that meet your needs. Our patented HDA\* process helps to reduce the aromatic content to the lowest level.



## SCRIPTANE PW

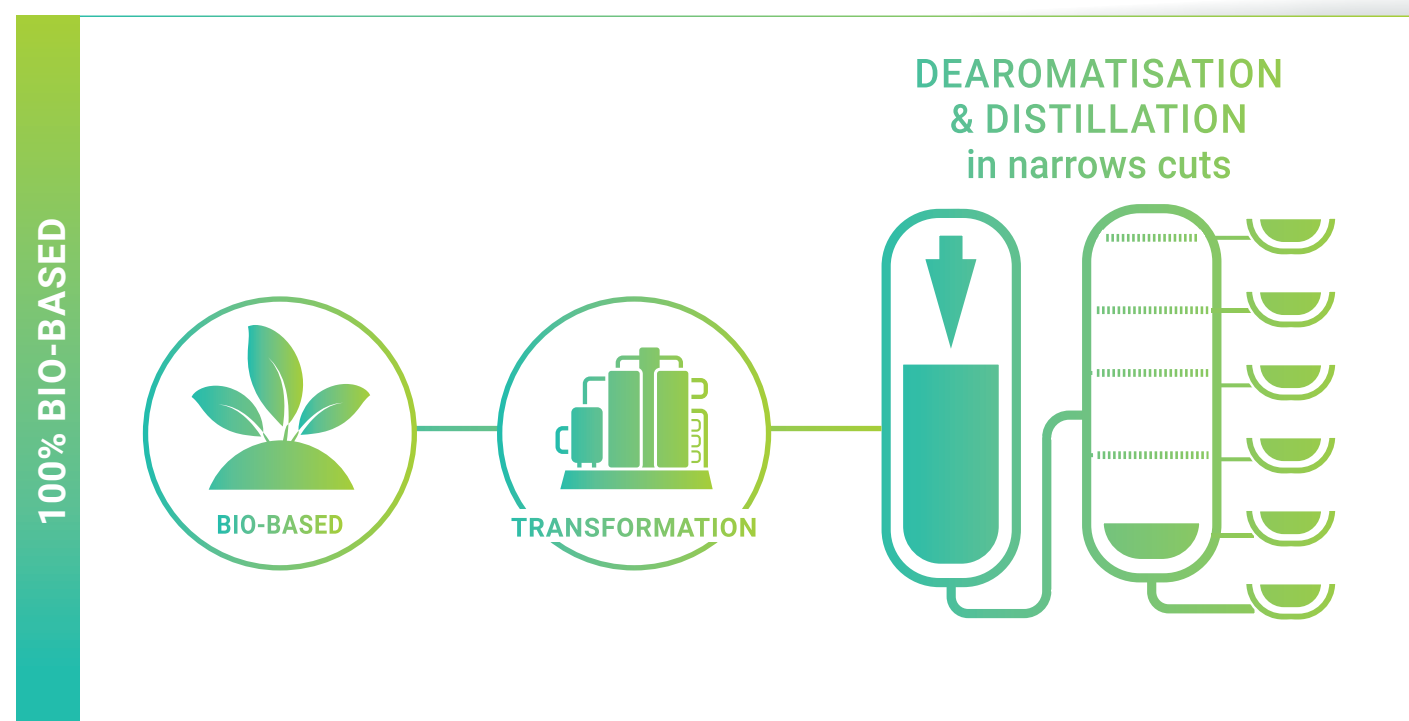
Dearomatized Hydrocarbon solvents



Low aromatic content < 300 ppm

## SCRIPTANE BioLife

100% Biosourced Hydrocarbon solvents



Free of MOSH / MOAH\*\*

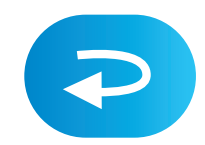
## EcoLife

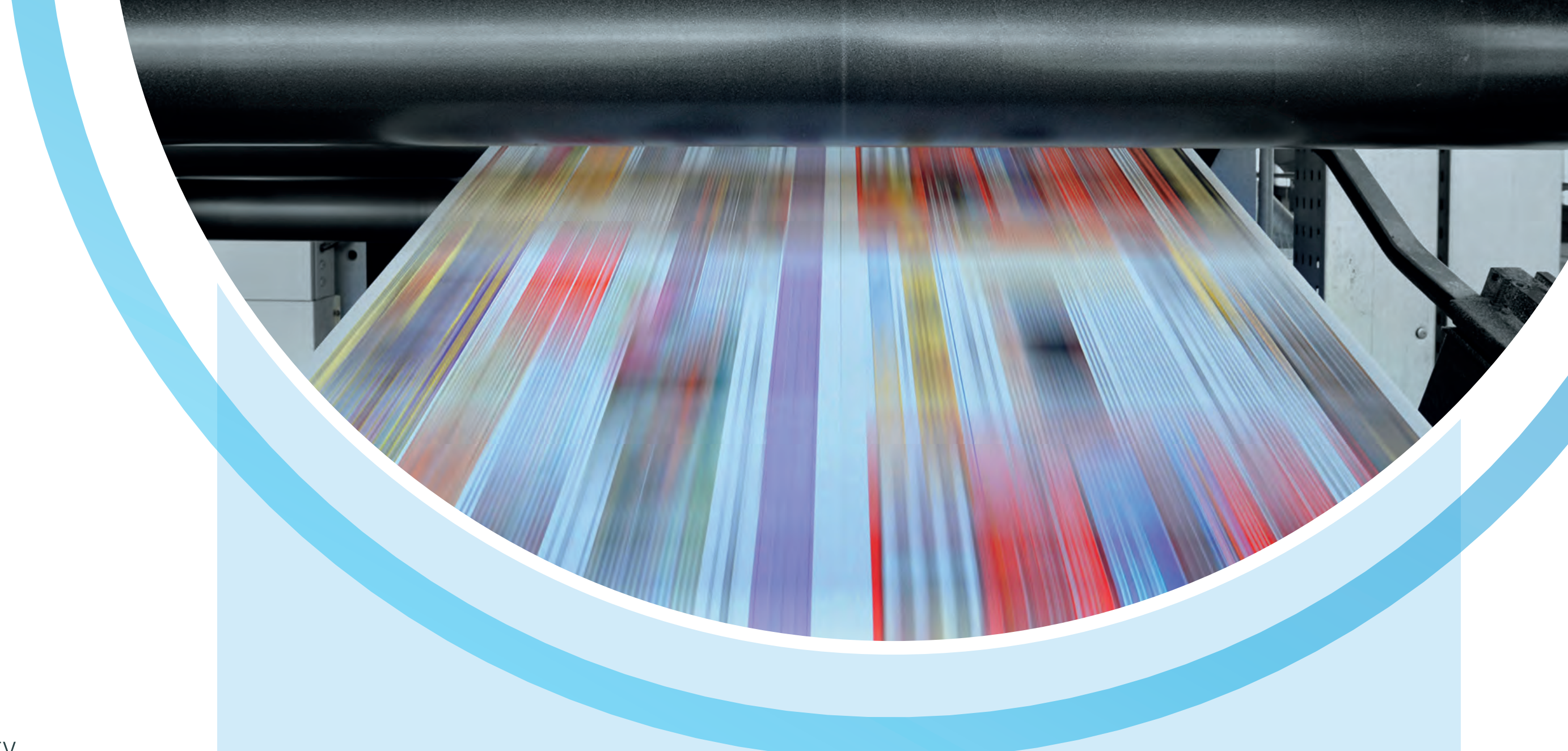
A Carbon Neutral offer

**EcoLife** is a solution designed to offer **carbon neutrality** without altering product characteristics and performances. The use of **sustainable resources** in our factory balances the carbon footprint of your product.

Net Zero Carbon

\*HDA: Hydrodearomatization  
\*\*MOSH: Mineral Oil Saturated Hydrocarbons / MOAH: Mineral Oil Aromatic Hydrocarbons





## Paper and Packaging Inks

# SCRIPTANE PW

Dearomatized Hydrocarbon solvents

### Properties

- ▶ Virtually no odour
- ▶ Low aromatic content (< 300 ppm)
- ▶ Colorless
- ▶ Excellent UV / long term stability
- ▶ Narrow boiling ranges offering total control of evaporation and press stability
- ▶ Good balance between resins solvency power (aniline point) and solvent release
- ▶ Excellent quality consistency due to its controlled manufacturing process

### Purity / Food contact status

#### Conform to purity requirements:

- ▶ European Pharmacopoeia 6th Edition (including supplement 6.2)
- ▶ German "Reinheitsanforderungen an flüssige Paraffine" (155. Mitteilung Bundesgesundheitsblatt 25,192)

#### Suitable in low-migration inks for food packaging based on:

- ▶ EU Regulation 1935/2004 on materials and articles intended to come into contact with food
- ▶ EUPIA Guideline on Printing Inks applied to the non-food Contact Surface of Food Packaging Materials and articles
- ▶ FDA 21CFR 178.3620(b): Indirect food additives: adjuvants, processing aids and sanitizers
- ▶ German „Lebensmittel- und Futtermittelgesetzbuch“ in der Fassung der Bekanntmachung vom 15. September 2021

	SCRIPTANE PW 24/27 H	SCRIPTANE PW 25/28 H	SCRIPTANE PW 25/33 H	SCRIPTANE PW 28/32 H	SCRIPTANE PW 30/35 H
Heatset inks					
Sheetfed inks					
Coldset inks					

MOAH\* content < 300 ppm

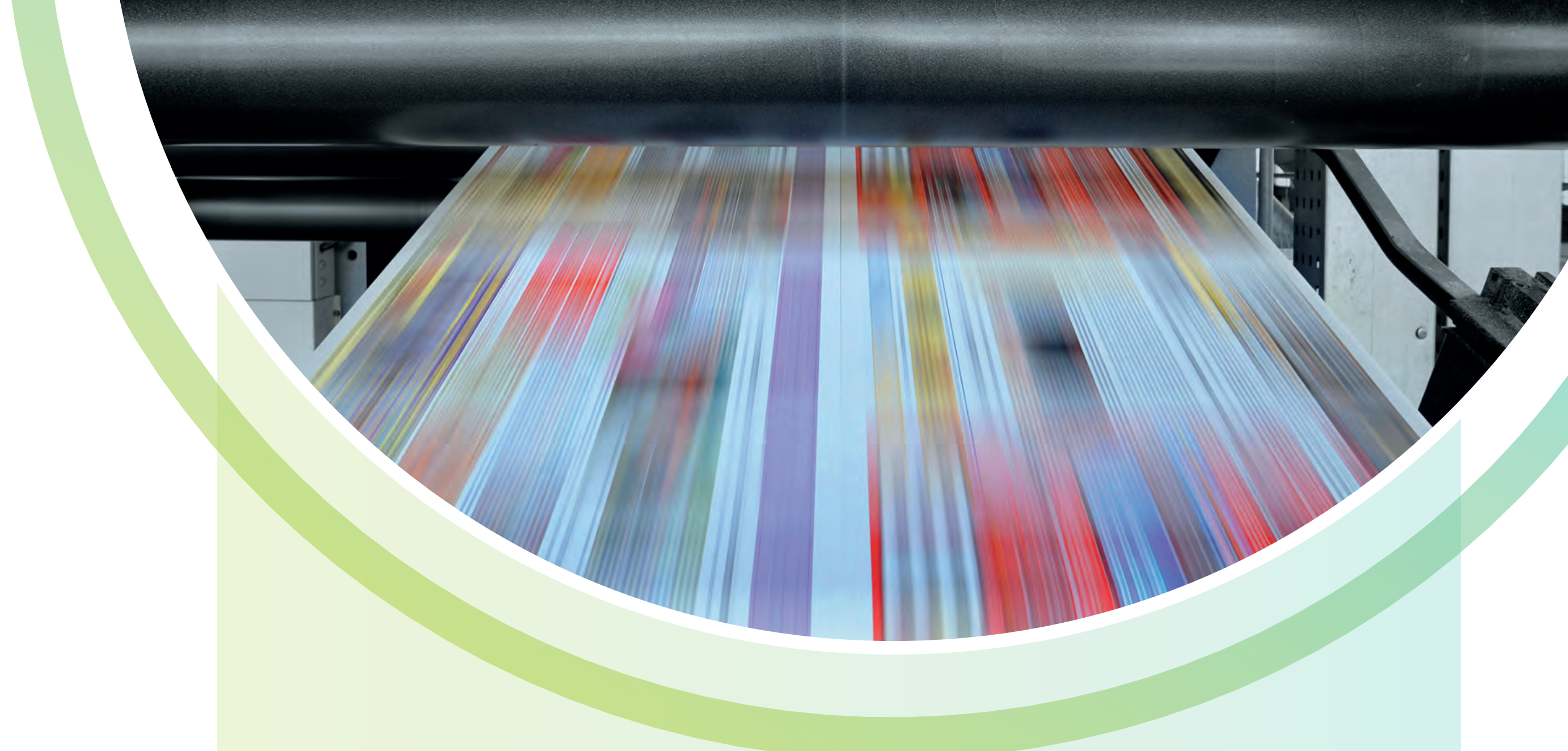
\*MOAH: Mineral Oil Aromatic Hydrocarbon

SCRIPTANE BioLife

EcoLife

Technical Data





# Paper and Packaging Inks

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	SCRIPTANE BioLife 18/22	SCRIPTANE BioLife 21/25	SCRIPTANE BioLife 24/27	SCRIPTANE BioLife 26/29	SCRIPTANE BioLife 29/33
Heatset inks					
Sheetfed inks					
Coldset inks					
Fast drying inks					
Ink cleaner					

### Contains no MOAH\*\* / MOSH\*\*\*

\*\*MOAH: Mineral Oil Aromatic Hydrocarbons / \*\*\*MOSH: Mineral Oil Saturated Hydrocarbons

\*Set up by the European Union, ISCC is a certification body that ensures compliance with environmental criteria, labor law, etc. It ensures traceability of raw materials throughout the supply chain.

# SCRIPTANE PW

## DEAROMATIZED SOLVENTS FOR PRINTING INKS

Typical values 

PROPERTIES	UNITS	METHODS	SCRIPTANE PW 24/27 H	SCRIPTANE PW 25/28 H	SCRIPTANE PW 25/33 H	SCRIPTANE PW 28/32 H	SCRIPTANE PW 30/35 H
DENSITY AT 15°C (59°F)	kg/m <sup>3</sup>	ASTM D4052	817	818	815	815	816
SAYBOLT COLOR	Unit Saybolt color	ASTM D6045	+30	+30	+30	+30	+30
BOILING RANGE: INITIAL POINT	°C (°F)	ASTM D86	240 (464)	250 (482)	254 (489)	278 (532)	303 (577)
FINAL POINT			262 (504)	277 (531)	326 (619)	318 (604)	346 (655)
FLASH POINT	°C (°F)	ASTM D93	104 (220)	116 (241)	120 (248)	137 (279)	160 (320)
AROMATIC CONTENT	mg/kg (ppm)	UV Internal method	< 30	< 30	< 60	< 80	< 150
BENZENE CONTENT	mg/kg (ppm)	ASTM D6229	< 1	< 1	< 1	< 1	< 1
SULPHUR CONTENT	mg/kg (ppm)	ASTM D5453	< 1	< 1	< 1	< 1	< 1
ANILINE POINT	°C (°F)	ASTM D611	79 (174)	84 (183)	89 (192)	92 (198)	100 (212)
KAURI BUTANOL	KB Unit	ASTM D1133	26	25	23	22	20
VISCOSITY AT 40°C (104°F)	mm <sup>2</sup> /s	ASTM D445	2.4	2.9	3.6	4.2	6.0

CARBON CHAIN LENGTH HSPA	C13 - C18	C14 - C18	C14 - C18	C16 - C20	C13 - C23
CAS NUMBER	64742-46-7 (R)	64742-46-7 (R)	64742-46-7 (R)	64742-46-7 (R)	64742-46-7 (R)
EC NUMBER	928-253-0	927-632-8	927-632-8	919-029-3	932-078-5

Data provided in this table is issued in good faith to the best of our knowledge, but no warranty, expressed or implied is given.  
R: Related CAS number.

SCRIPTANE PW

SCRIPTANE BioLife

EcoLife



TotalEnergies Fluids

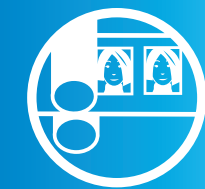
# SCRIPTANE BioLife

## BIOBASED SOLVENTS FOR PRINTING INKS

Typical values ✓

PROPERTIES	UNITS	METHODS	SCRIPTANE BioLife 18/22	SCRIPTANE BioLife 21/25	SCRIPTANE BioLife 25/27	SCRIPTANE BioLife 26/29	SCRIPTANE BioLife 29/33
DENSITY AT 15°C (59°F)	kg/m <sup>3</sup>	ASTM D4052	753	769	777	781	788
SAYBOLT COLOR	Unit Saybolt Color	ASTM D6045	+30	+30	+30	+30	+30
BOILING RANGE: INITIAL POINT	°C (°F)	ASTM D86	180 (356)	215 (419)	249 (480)	262 (504)	287 (549)
FINAL POINT			215 (419)	244 (471)	270 (518)	288 (550)	318 (604)
FLASH POINT	°C (°F)	ASTM D93	64 (147)	90 (194)	117 (243)	126 (259)	149 (300)
AROMATIC CONTENT	mg/kg (ppm)	UV Internal method	< 20	< 20	< 20	< 20	< 20
BENZENE CONTENT	mg/kg (ppm)	ASTM D6229	< 1	< 1	< 1	< 1	< 1
SULPHUR CONTENT	mg/kg (ppm)	ASTM D5453	< 1	< 1	< 1	< 1	< 1
ANILINE POINT	°C (°F)	ASTM D611	75 (167)	81 (178)	93 (199)	96 (205)	100 (212)
KAURI BUTANOL	KB Unit	ASTM D1133	26	22	22	21	19
VISCOSITY AT 40°C (104°F)	mm <sup>2</sup> /s	ASTM D445	1.2	1.9	2.5	2.9	3.9
MINERAL OIL AROMATIC HYDROCARBONS (MOAH)			none	none	none	none	none
MINERAL OIL SATURATED HYDROCARBONS (MOSH)			none	none	none	none	none

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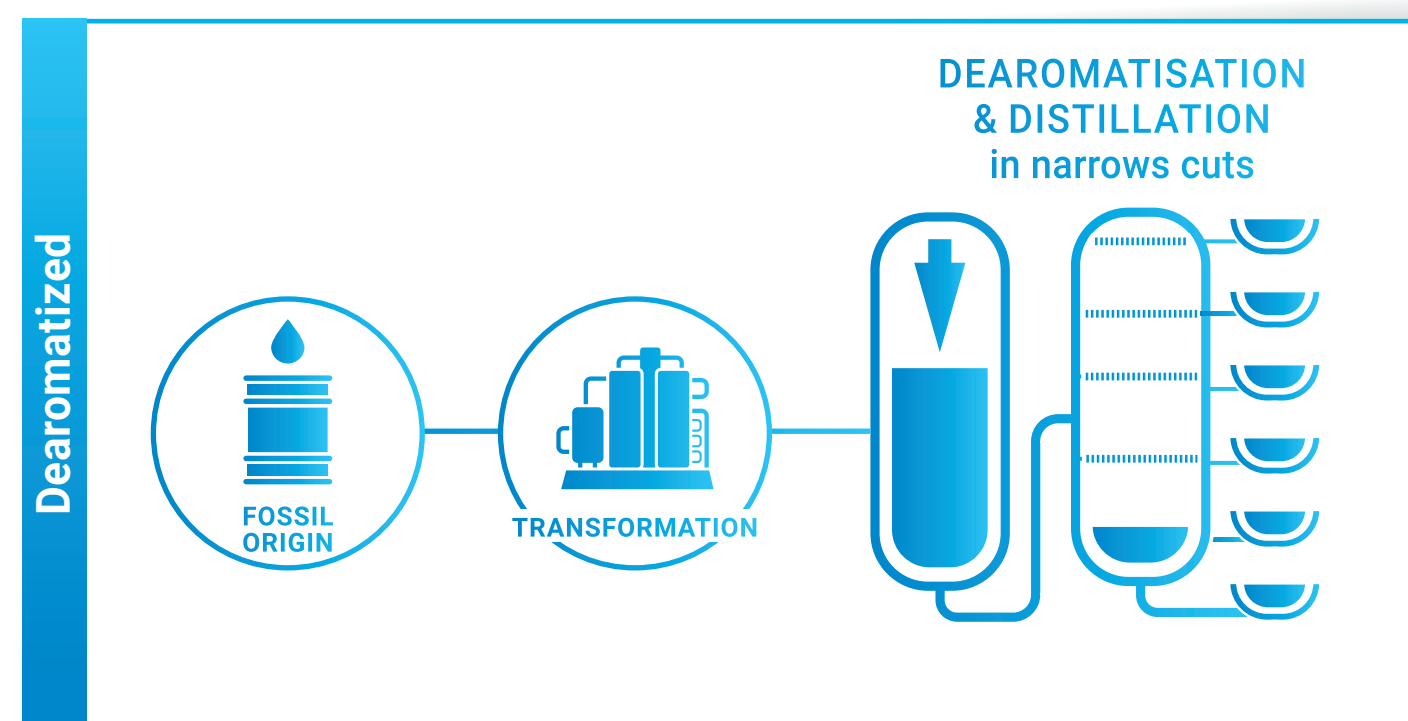
# Digital and Ceramic Inks

The world of digital and ceramic inks solvents is confronted with various requirements. TotalEnergies Fluids has therefore developed different ranges and offers that meet your needs. Our patented HDA\* process helps to reduce the aromatic content to the lowest level.



## SCRIPTANE CE

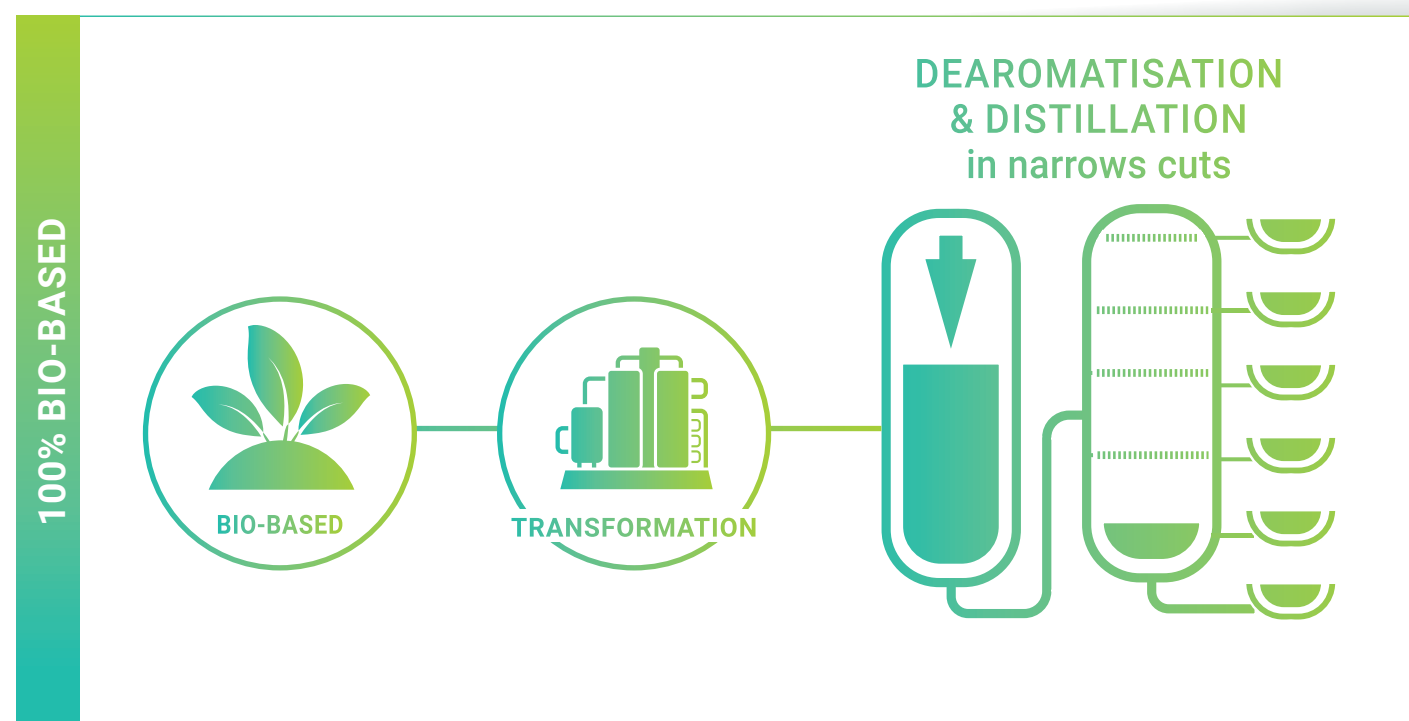
Dearomatized Hydrocarbon solvents



Low aromatic content < 300 ppm

## SCRIPTANE BioLife

100% Biosourced Hydrocarbon solvents



Free of MOSH / MOAH\*\*

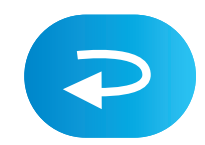
## EcoLife

A Carbon Neutral offer

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Net Zero Carbon

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## Digital and Ceramic Inks

# SCRIPTANE CE

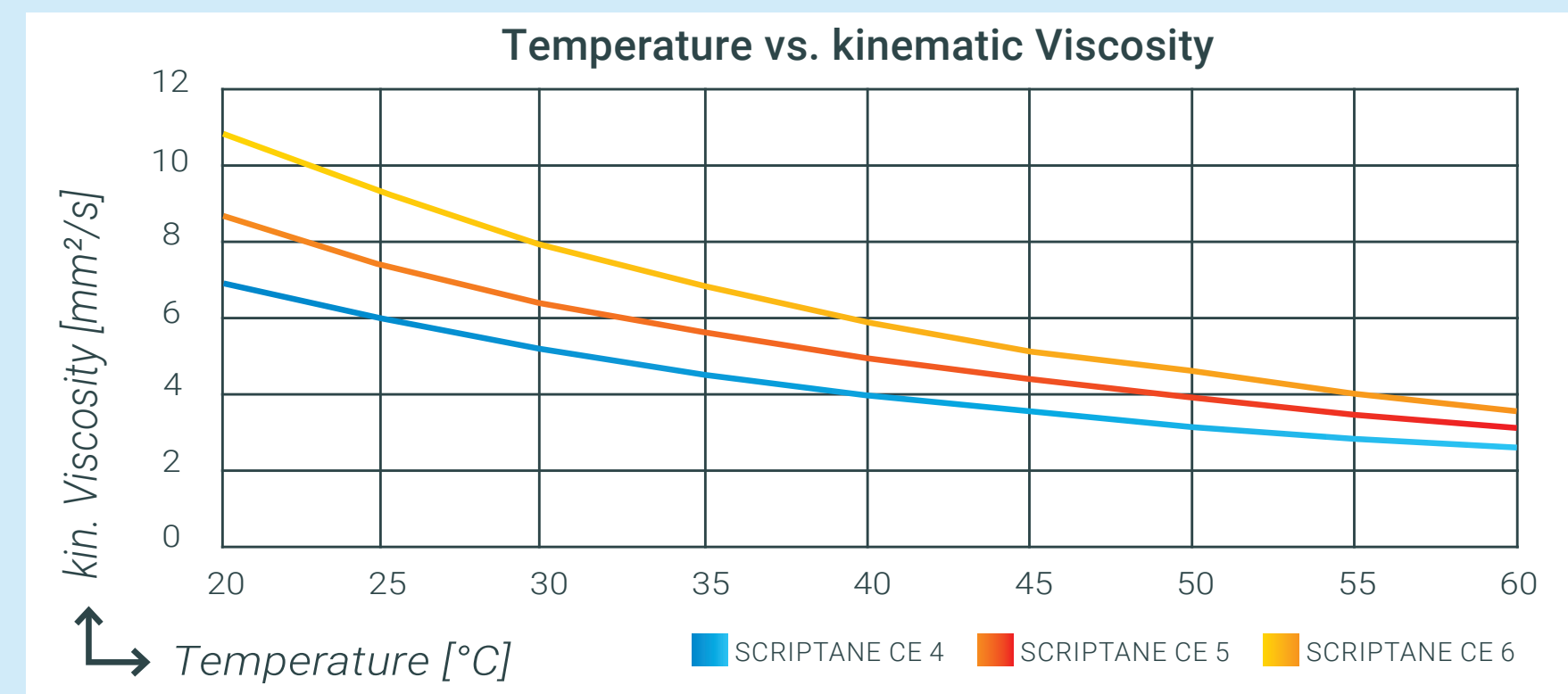
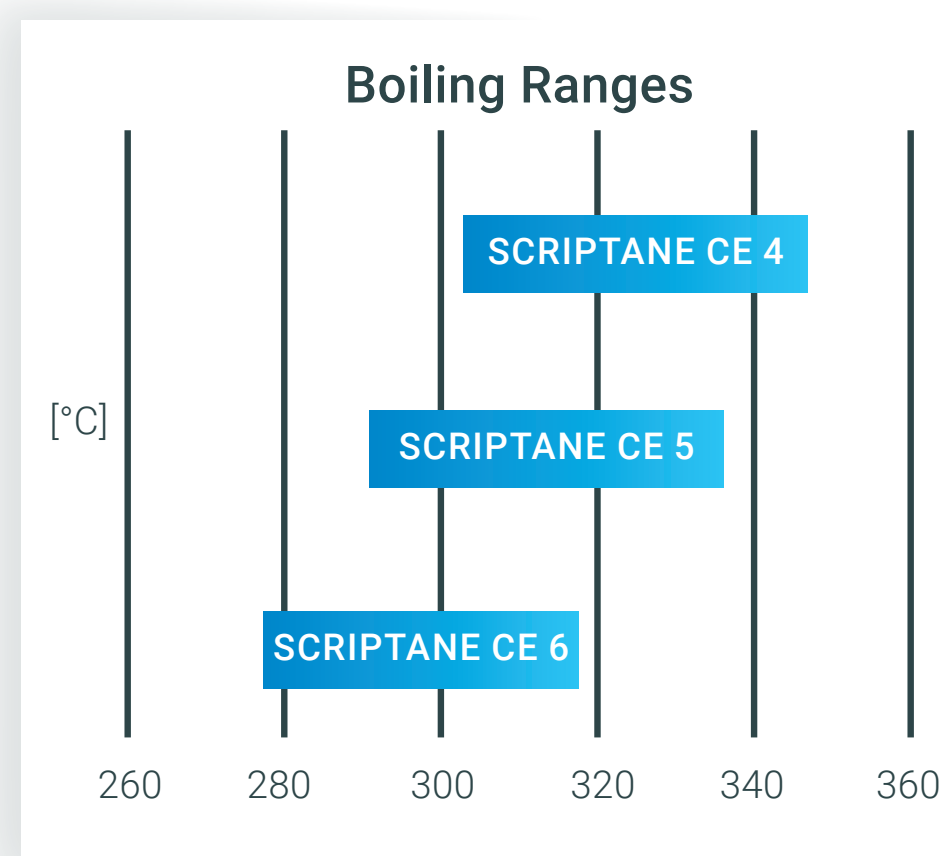
Dearomatized Hydrocarbon solvents

### Properties

- ▶ Low aromatic content (< 300 ppm)
- ▶ Colorless
- ▶ Narrow boiling ranges
- ▶ Purity
- ▶ Odorless
- ▶ Low sulfur content
- ▶ High viscosity index
- ▶ Low foaming

### Efficiency

- ▶ No variation in ink colors
- ▶ Full control of evaporation
- ▶ Excellent UV stability
- ▶ No unexpected reaction with other ink components
- ▶ No staining on copper and copper alloys
- ▶ More constant flow properties in case of temperature variations
- ▶ Exact dosing even with high performance pumps



**MOAH\* content < 300 ppm**

\*MOAH: Mineral Oil Aromatic Hydrocarbon

SCRIPTANE BioLife

EcoLife

Technical Data







## Digital and Ceramic Inks

# SCRIPTANE BioLife

100% Biosourced Hydrocarbon solvents

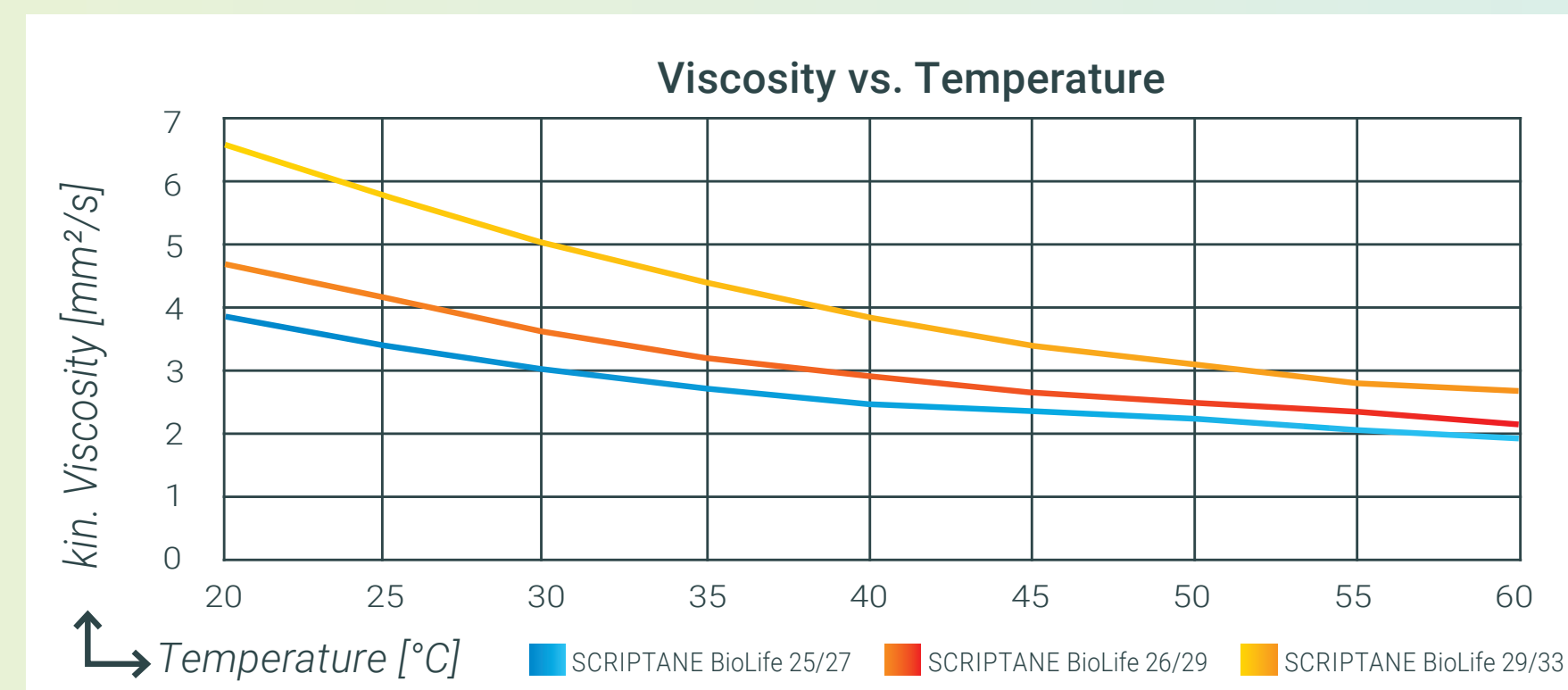
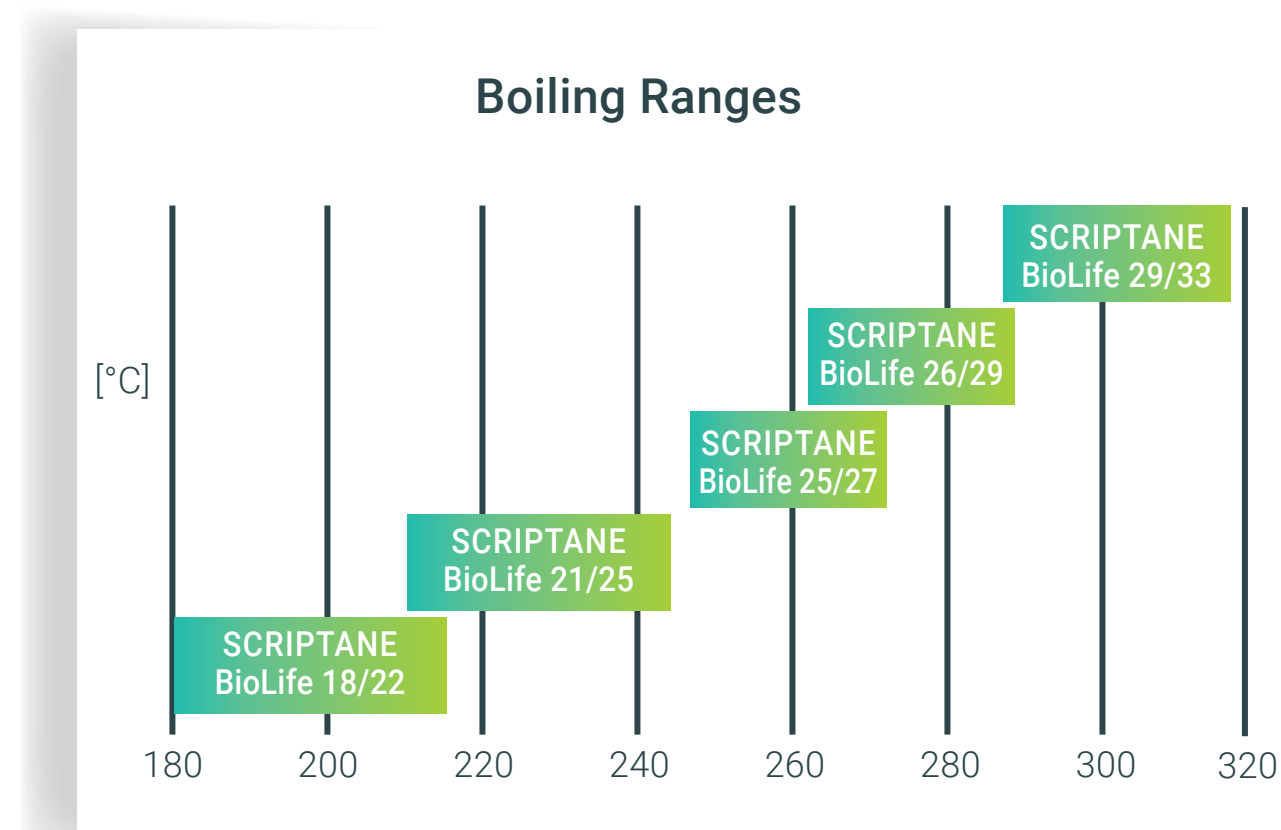


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- ▶ Odorless
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**Contains no MOAH\*\* / MOSH\*\*\***

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SCRIPTANE CE



Technical Data





# SCRIPTANE CE

## DEAROMATIZED SOLVENTS FOR CERAMIC INKS

Typical values

PROPERTIES	UNITS	METHODS	SCRIPTANE CE 4	SCRIPTANE CE 5	SCRIPTANE CE 6
DENSITY AT 15°C (59°F)	kg/m <sup>3</sup>	ASTM D4052	815	812	816
SAYBOLT COLOR	Unit Saybolt color	ASTM D6045	+30	+30	+30
BOILING RANGE: INITIAL POINT	°C (°F)	ASTM D86	278 (532)	291 (556)	303 (577)
FINAL POINT			318 (604)	337 (639)	347 (657)
FLASH POINT	°C (°F)	ASTM D93	138 (280)	150 (302)	167 (333)
AROMATIC CONTENT	mg/kg (ppm)	UV Internal method	< 80	< 80	< 150
BENZENE CONTENT	mg/kg (ppm)	ASTM D6229	< 1	< 1	< 1
SULPHUR CONTENT	mg/kg (ppm)	ASTM D5453	< 1	< 1	< 1
ANILINE POINT	°C (°F)	ASTM D611	92 (198)	95 (203)	100 (212)
VISCOSITY AT 40°C (104°F)	mm <sup>2</sup> /s	ASTM D445	4.1	4.9	6.0
CARBON CHAIN LENGTH HSPA			C15 - C20	C15 - C20	C13 - C23
CAS NUMBER			64742-46-7 (R)	64742-46-7 (R)	64742-46-7 (R)
EC NUMBER			934-956-3	934-956-3	932-078-5

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SCRIPTANE CE

SCRIPTANE BioLife

EcoLife



# SCRIPTANE BioLife

## BIOBASED SOLVENTS FOR PRINTING INKS

Typical values ✓

PROPERTIES	UNITS	METHODS	SCRIPTANE BioLife 18/22	SCRIPTANE BioLife 21/25	SCRIPTANE BioLife 25/27	SCRIPTANE BioLife 26/29	SCRIPTANE BioLife 29/33
DENSITY AT 15°C (59°F)	kg/m <sup>3</sup>	ASTM D4052	753	769	777	781	788
SAYBOLT COLOR	Unit Saybolt Color	ASTM D6045	+30	+30	+30	+30	+30
BOILING RANGE: INITIAL POINT	°C (°F)	ASTM D86	180 (356)	215 (419)	249 (480)	262 (504)	287 (549)
FINAL POINT			215 (419)	244 (471)	270 (518)	288 (550)	318 (604)
FLASH POINT	°C (°F)	ASTM D93	64 (147)	90 (194)	117 (243)	126 (259)	149 (300)
AROMATIC CONTENT	mg/kg (ppm)	UV Internal method	< 20	< 20	< 20	< 20	< 20
BENZENE CONTENT	mg/kg (ppm)	ASTM D6229	< 1	< 1	< 1	< 1	< 1
SULPHUR CONTENT	mg/kg (ppm)	ASTM D5453	< 1	< 1	< 1	< 1	< 1
ANILINE POINT	°C (°F)	ASTM D611	75 (167)	81 (178)	93 (199)	96 (205)	100 (212)
KAURI BUTANOL	KB Unit	ASTM D1133	26	22	22	21	19
VISCOSITY AT 40°C (104°F)	mm <sup>2</sup> /s	ASTM D445	1.2	1.9	2.5	2.9	3.9
MINERAL OIL AROMATIC HYDROCARBONS (MOAH)			none	none	none	none	none
MINERAL OIL SATURATED HYDROCARBONS (MOSH)			none	none	none	none	none

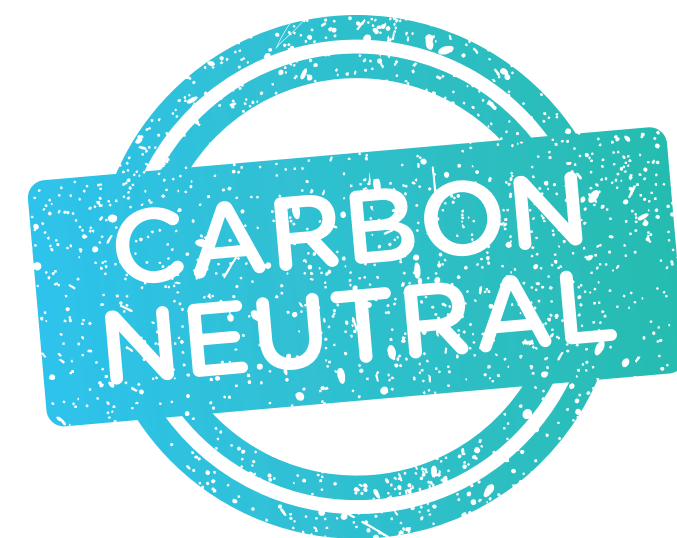
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**EcoLife is a solution designed to offer carbon neutrality without altering product characteristics and performances. The use of sustainable resources in our factory balances the carbon footprint of your product.**

As part of our commitment to sustainable development, we have developed an ISCC PLUS certified responsible offer which ensures you are using products that contribute to the reduction of your carbon footprint.

To find out more, go to:  
<https://specialfluids.totalenergies.com/en/our-services/renewable-and-responsible-fluids/ecolife-totalenergies-fluids-new-responsible>



Paper and Packaging Inks

Digital and Ceramic Inks





**TotalEnergies**

  [specialfluids.totalenergies.com](https://specialfluids.totalenergies.com)

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