



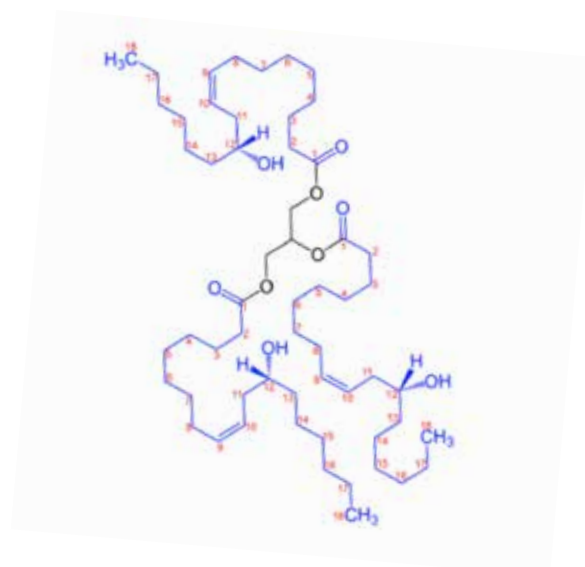
sasol

Castor Oil Ethoxylates

Castor Oil Ethoxylates are well known to be used in combination with CaDDBS for several actives in EC formulations. Sasol Performance Chemicals offers a broad portfolio of standard Castor Oil Ethoxylates but also special grades with unique performances.

Standard Castor Oil Ethoxylates:

- Workhorse in EC formulations
- Further applications in EW, EC, ME, OD, SE
- CAS number: 61791-12-6
- Ethoxylation grade of 10 – 200 EO available
- Production in Germany, Italy, Slovakia and USA



	Moles of Ethylene Oxide (EO)
CERWIN EL 11	11
CERWIN EL 20	20
CERWIN EL 30	30
CERWIN EL 38	38
CERWIN EL 40	40
CERWIN EL 50	50

Pictures: Formulation trials for Propiconazole 41.8 % EC, dilution and stability test in water.

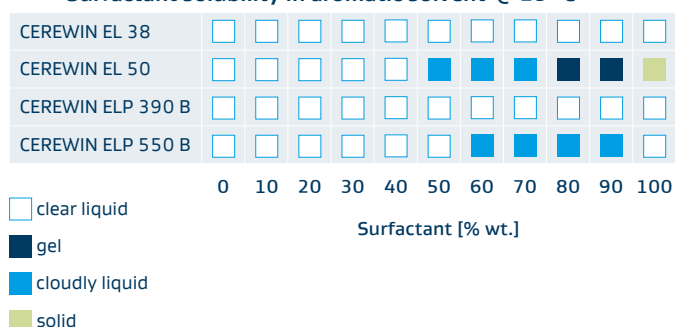


Castor Oil Alkoxylates (ELP Types)

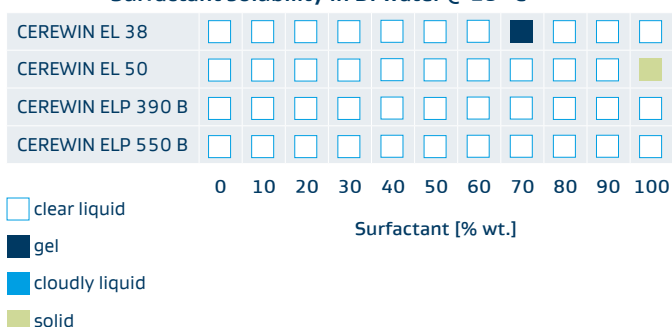
CEREWIN ELP types are derived by converting castor oils with ethylene oxide (EO) and propylene oxide (PO). They were developed as alternatives for standard castor oil ethoxylates with 36 - 50 EO enabling lower pour point and higher solubility in water and aromatic solvents.

	Description	Physical form at 20 °C	Pour point (°C)	Function	Application	CAS number
CEREWIN ELP 390B	Castor Oil EO _x PO _y	Liquid to paste	9	Emulsifier	EW, EC, ME, OD, SE	72986-44-8
CEREWIN ELP 550B	Castor Oil EO _x PO _y	Liquid to paste	18	Emulsifier	EW, EC, ME, OD, SE	72986-44-8

Surfactant solubility in aromatic solvent @ 25 °C



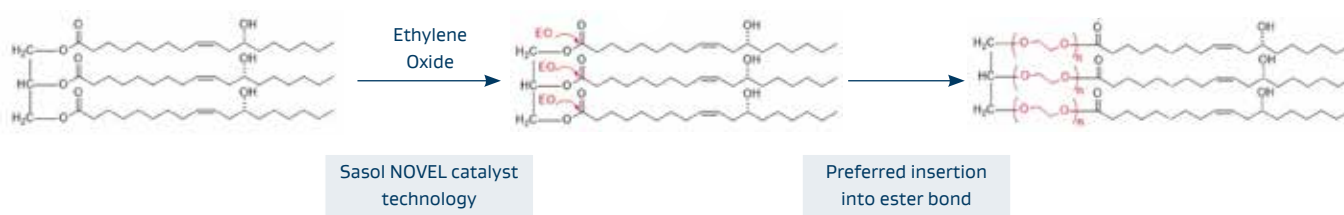
Surfactant solubility in DI water @ 25 °C



Novel Type Castor Oil Ethoxylates

Using Sasol's patented narrow-range catalyst (NOVEL) more unique types of Castor Oil Ethoxylate are yielded whereby the Ethylene Oxide (EO) is primarily inserted into the ester bond.

	Description	Physical form at 20 °C	Pour point (°C)	Function	Application	CAS number
CEREWIN EL 40V	Castor Oil 40 EO	white solid	45	Emulsifier	EW, EC, ME, OD, SE	761791-12-6



CONTACT INFORMATION

Sasol Performance Chemicals GmbH
Organics Division
 Anckelmannsplatz 1
 20537 Hamburg, Germany
 info@de.sasol.com
 Tel.: +49 40 636 84-1000
 Fax: +49 40 636 84-3700

For technical requests and samples, please contact:
 agrotech@eu.sasol.com

For sales and pricing information, please contact:
 agrosales@eu.sasol.com

Source reference: p. 1: Shutterstock/Galina Andrushko, Sasol, p. 2: Sasol

This information is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including any existing third-party patent rights. In particular, no guarantee of properties in the legal sense is implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not exempted from the obligation to conduct careful inspection and testing of incoming goods. Reference to trade names used by other companies is neither a recommendation, nor is it intended to suggest that similar products could not be used. All our business transactions shall be governed exclusively by our General Sales Conditions.