

WETTING AGENTS FOR AGRO-CHEMICAL APPLICATIONS

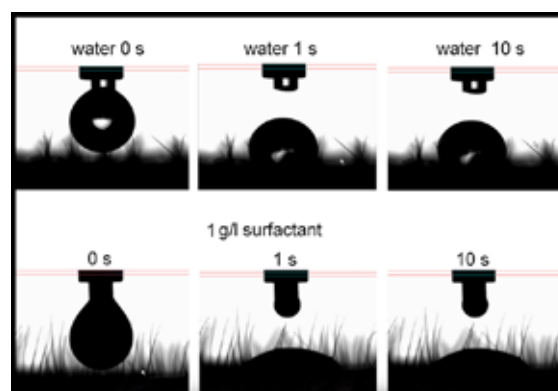


sasol

Sasol offers a broad range of nonionic ethoxylated alcohols based on ITDA, FT-Oxo and Oxo-hydrophobe alcohols. The broad portfolio of hydrophobes enables us to optimise the wetting characteristics of our surfactant portfolio. The right choice of wetting agents allows for optimal biological efficacy by influencing deposition and coverage.

Sasol's wetting agents allow:

- Short wetting times of the surface
- Readily biodegradable - good environmental profile
- NPE free compounds
- EPA-listed as inert
- Control dew on turfgrass
- Good emulsification properties



Measurement of contact angle on a leaf, water vs. sample, Dataphysics OCA 50

Product Data – Branched Alcohol Based Ethoxylates

Surfactant	Form at 25 °C	HLB range	Wetting time range at 1 g/l	CAS number
CEREWIN T series	liquid	10 to 14	15 to 30 sec	69011-36-5
CEREWIN XB series	liquid	11 to 13	10 to 14 sec	127036-24-2
CEREWIN XA series	liquid	10 to 13	10 to 15 sec	127036-24-2
CEREWIN S series	liquid	10 to 14	18 to 40 sec	160901-19-9

Product Data – C10 Alcohol Based Ethoxylates

Surfactant	Form at 25 °C	HLB range	Wetting time range at 1 g/l	CAS number
CEREWIN DO series (linear)	liquid	10 to 13	10 to 20 sec	26183-52-8

Sasol offers a wide range of ethoxylated and propoxylated alcohols. Providing excellent wetting and emulsion properties, they enable stable pesticide formulations. Depending on the alkoxyation pattern low foaming properties can be reached.

Product Data – Alcohol Ethoxylates/Propoxylates

	Physical form at 25 °C	Alcohol basis	HLB	Wetting time second at 1 g/l ¹	Foam at 25 °C 1 g/l ²	Cloud point, °C	EINECS number
MARLOX K158	liquid	linear C ₁₀	10.6	9	30	17 ⁽³⁾	9038-29-3
MARLOX MO154	liquid	linear C _{12/14}	11.4	8	700	29 ⁽³⁾	68439-51-0
MARLOX FK86	liquid	linear C _{10/12}	11.6	7	35	21 ⁽³⁾	68154-97-2
LORODAC L6550	liquid	semi linear C ₁₂₋₁₅	11.8	11	2100	39 ⁽³⁾	120313-48-6
MARLOX FK64	liquid	linear C _{10/12}	12.0	10	420	54 - 56 ⁽⁴⁾	68154-97-2
MARLOX FK57	liquid	linear C _{10/12}	12.0	7	1960	34 ⁽³⁾	68154-97-2

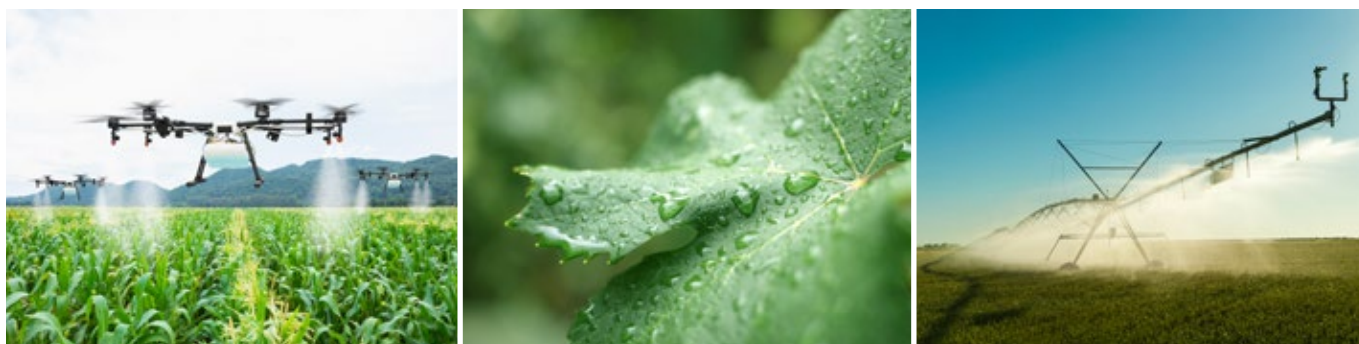
¹ Draves Test (ASTM D 2281-10)

² Foam, turbine, (DIN EN 13996)

³ 1 % deionized water

⁴ 10 % in 25 % butyldiglycol solution

Sasol offers several other alcohol ethoxylates/propoxylates in its portfolio.



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