



AGRO CHEMICALS

Arylphenol alkoxylates

Arylphenol alkoxyates manufactured by LEVACO Chemicals

Arylphenol alkoxyates, which are based on our self-produced styrenated phenols, are an important group of raw materials for many different industries.

LEVACO Chemicals manufactures styrenated phenols and a wide range of non-ionic and anionic arylphenol alkoxyates.

Besides the numerous applications in different industries, these products have shown an outstanding performance in agrochemical formulations:

- ☼ EC (Emulsifiable concentrates)
- ☼ ME (Micro-emulsions)
- ☼ EW (Oil in water emulsions)
- ☼ SC (Suspension concentrates)
- ☼ WDG (Water dispersible granules)
- ☼ SE (Suspoemulsions)

Basics

Head groups based on aryl phenols reveal high lipophilic properties. They are well known as solubilising group in aromatic solvents and oil droplets. Furthermore, the head group exhibits high affinity to organic solid surfaces. Depending on the alkoxylation level, those products are excellent dispersing agents, emulsifiers and crystallization inhibitors in agrochemical formulations.



LUCRAMUL	Chemical Base	EO	Ionicity	Active content [%]
PS 10	Tristyrylphenol	10	Non ionic	100
PS 16	Tristyrylphenol	16	Non ionic	100
PS 20	Tristyrylphenol	20	Non ionic	100
PS 25	Tristyrylphenol	25	Non ionic	100
PS 29	Tristyrylphenol	29	Non ionic	100
PS 54	Tristyrylphenol	54	Non ionic	100
PPS 16	Tristyrylphenol, phosphated derivate	16	Anionic	100
PPS A 16	Tristyrylphenol, phosphated derivate, ammonium salt	16	Anionic	98
PPS K 16	Tristyrylphenol, phosphated derivate, potassium salt	16	Anionic	40
SPS 29	Tristyrylphenol, sulfated derivate, ammonium salt	29	Anionic	100
PMS 16	Trimethylstyrylphenol	17	Non ionic	100
PMS 29	Trimethylstyrylphenol	29	Non ionic	100
PMS 97	Trimethylstyrylphenol	97	Non ionic	100
DSP 03	Distyrylphenol	3	Non ionic	100
DSP 13	Distyrylphenol	13	Non ionic	100

Table 1: Arylphenol alkoxyates - product range

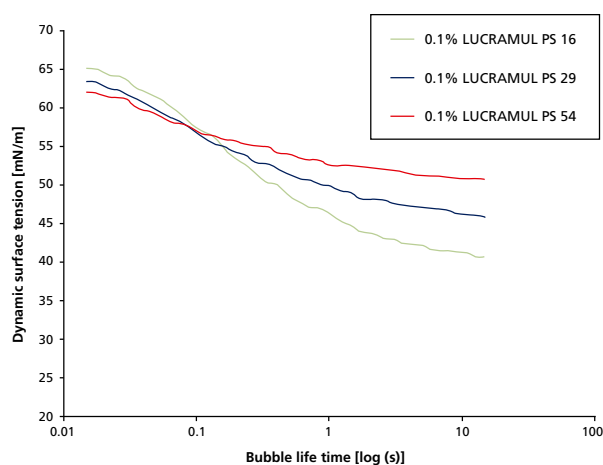
LUCRAMUL	Supply form	HLB	Emulsifier	Dispersant	Special properties	EPA 40 CFR 180 Listing
PS 10	Liquid	10.4	+++	+	compatibility	*
PS 16	Liquid	12.4	+++	++	compatibility	910
PS 20	Waxy	12.4	++	+++	compatibility	910
PS 25	Solid	12.7	++	+++	compatibility	910
PS 29	Waxy	14.8	++	+++	compatibility	910
PS 54	Waxy	17.0	++	+++	stability of SC	910
PPS 16	Liquid	16.0	+	+++	stability of SC	920
PPS A 16	Liquid	16.0	+	+++	stability of SC	NF
PPS K 16	Liquid	16.0	+	+++	stability of SC	920
SPS 29	Paste	15.2	+	+++	stability of SC	*
PMS 16	Liquid	13.6	+++	++	emulsifying properties	910
PMS 29	Solid	15.5	++	+++	compatibility	910
PMS 97	Paste	18.0	+	+++	stability of SC	*
DSP 03	Liquid	6.8	++	+++	crystallization inhibitor for triazole, low foaming	*
DSP 13	Liquid	13.1	++	++	compatibility	*

Table 2: Arylphenol alkoxyates - properties
+ limited usable ++ selective usable +++ widely usable

* = EPA registration can be submitted on request
NF = Only for non-food applications

The chemical structure plays a key role in the surface activity of surfactants and in their application scope.

Dynamic Surface Tension of selected Ethoxylated Tristyrolphenols



LEVACO Chemicals

With our well structured global network we are not only able to efficiently supply our global customers with the desired product but we can also provide services and share our knowhow in diverse applications and in different industry fields.

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