

Alkylglucosides

Outstanding hydrotropes for alkaline cleaning. Mild and more sustainable chemistry.

Environmentally adapted products

Nonionic surfactants have historically been synonymous with alkyl alkoxyates. Today another group of nonionic surfactants, the alkylglucosides, have created a growing interest, not only because of their more sustainable raw material sources and also their very special performance in cleaning applications.

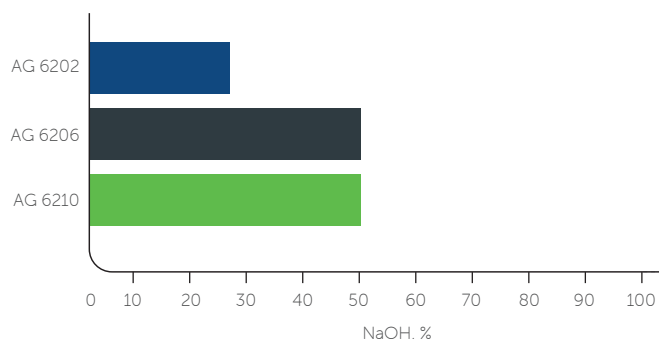
The most obvious difference is that for alkoxyates a cloud point can be defined, but for alkyl glucosides it is mostly not possible to find any cloud point. This phenomenon influences the solubility of the surfactant and one of the greatest advantages with alkylglucosides is the good solubility in water containing high electrolytes. Alkylglucosides can be combined with all other types of surfactants and synergistic effects can then often be found.

AG 6202, AG 6206 and AG 6210 give a low environmental impact as they are readily biodegradable and the aquatic toxicity is much lower than for the general alkyl alkoxyates.

Applications

- Low toxic applications
- CIP (Cleaning In Place)
- High alkaline cleaning
- Machine dishwashing
- All purpose cleaning
- PET-cleaning (no stress cracking)
- Demulsification
- Vehicle cleaning

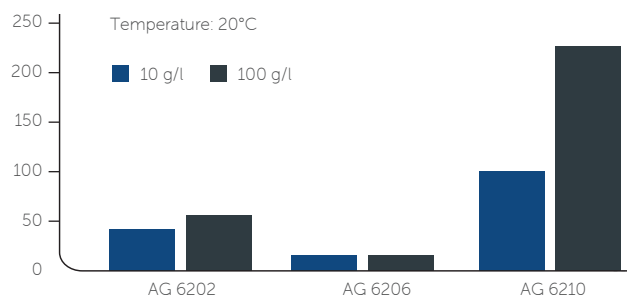
Solubility of glucosides in NaOH



Product	Key features
AG 6202	• Low foaming alkylglucoside • Hydrotropic effect • Wetting properties • Soluble in caustic • Based on a short chained branched alcohol • 65% active matter • Readily biodegradable
AG 6206	• Low foaming alkylglucoside • Hydrotropic effect • Very good solubility in high caustic • Based on a short chained alcohol • 75% active matter • Readily biodegradable
AG 6210	• Medium to high foaming alkylglucoside • Very good wetting • Very good solubility in high caustic • Based on a blend of short chained alcohol • 61% active matter

Foaming

Foam height immediately, mm



Water based alkaline cleaner

Ingredients, % w/w	A	B	C	D	E	F	G	H	I
Berol 260	5	5	5	5	-	-	-	-	5
Berol 266	-	-	-	-	5	5	5	5	-
Na ₃ NTA	7	7	-	-	7	7	-	-	-
TKPP	-	-	5	5	-	-	5	5	5
Na-metasilicate 5H ₂ O	-	-	2	2	-	-	2	2	2
AG 6202	-	11,5	-	9,5	-	7	-	6	-
AG 6206	6,5	-	6	-	4,5	-	4,5	-	-
AG 6210	-	-	-	-	-	-	-	-	15
Water	81,5	76,5	82	78,5	83,5	81	83,5	82	73
pH (10% solution)	~10	~10	~11	~11	~10	~10	~11	~11	~11

Contact us directly for detailed product information and sample request
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Nouryon

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