

Alkylglucosides

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

Environmentally adapted products

Nonionic surfactants have historically been synonymous with alkyl alkoxylates. 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 alkoxylates 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.

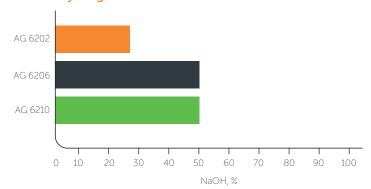
AG 6202, AG 6206 and AG 6210 give a low environmental impact as they are readily biodegradable and the aquatic toxicity is much lower than for the general alkyl alkoxylates.

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

Applications

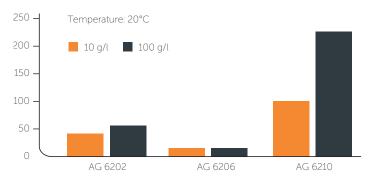
- Low toxic applications
- CIP (Cleaning In Place)
- High alkaline cleaning
- Machine dishwashing
- All purpose cleaning
- PET-cleaning (no stress cracking)
- Demulsification
- · Vehicle cleaning

Solubility of glucosides in NaOH



Foaming

Foam height immediately, mm



Environmental data

Aquatic toxicity	AG 6202	AG 6206	AG 6210*
LC ₅₀ (96 h), Fish	>300mg/l	>400 mg/l	1-10mg/l
EC ₅₀ (48 h), Daphnia	>100mg/l	>400 mg/l	1-10 mg/l
EC ₅₀ (72 h), Algae	>100mg/l	>100 mg/l	1-10 mg/l
Biodegradability	AG 6202	AG 6206	AG 6210

Biodegradability	AG 6202	AG 6206	AG 6210		
According to closed	>90%	>60%	>60%		
bottle test,					
OECD guidelines					
No 301D					

^{* =} refers to the most toxic component in the product preparation

AG 6202, AG 6202 and AG 6210 are classified as readily biodegradable.

Water based alkaline cleaner

Ingredients, % w/w	Α	В	С	D	Ε	F	G	Н	ı
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 at cleaning@nouryon.com

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