

COLORANTE AMARILLO BIO

Dye for application in home and fabric care

shade	reddish yellow	
physical form	orange powder	
shelf life	at least 5 years from the date of manufacture	
fastness to light	3–4 (full shade)	(1 = worst, 8 = best rating)

solubility (20 °C [68 °F])		poly alcohols	
water	oils	ethanol 80 %	
> 4 %	insoluble	≥ 0.05 %	0.5 – 2.0 %

pH stability (0.005 % colorant, 45 °C [113 °F], 3 months)					
	pH 1.0	pH 3.0	pH 9.0	pH 11.0	pH > 13.0
instant color change	no	no	no	no	strong red
chemical stability	stable	stable	stable	stable	unstable

bleach stability (0.005 % colorant, 45 °C [113 °F], 3 months)	
1.5 % NaOCl (pH 11)	20 % H₂O₂(pH 7)
unstable	slight changes

application	home and fabric care formulations (e.g., liquid detergents, dish wash detergent tablets)
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guideline for use	The product is compatible with a wide range of aqueous and alcohol-based formulations. It can be directly added to the formulation or pre-diluted in water and is compatible with other anionic dyes and hence can be used for dye mixtures.
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This declaration is valid for following product groups:
(please un-tick if this declaration is valid only for selected product groups)

	EU-Ecolabel for	Regulation	Product group no.
<input checked="" type="checkbox"/>	Laundry detergents	(EU) 2017/1218	006
<input checked="" type="checkbox"/>	Dishwashing detergents	(EU) 2017/1216	015
<input checked="" type="checkbox"/>	Hand dishwashing detergents	(EU) 2017/1214	019
<input checked="" type="checkbox"/>	Hard surface cleaning products	(EU) 2017/1217	020
<input checked="" type="checkbox"/>	Industrial and Institutional Laundry Detergents	(EU) 2017/1219	039
<input checked="" type="checkbox"/>	Industrial and Institutional Automatic Dishwasher	(EU) 2017/1215	038

This declaration is based on the best of our knowledge at the time of declaring.

Limitation:

The maximum recommended use level of our Product in the final detergent formulation is limited to < 0,5 % by weight to fulfill the requirements regarding measurement of thresholds. According to the regulations EU/2017/1214, EU/2017/1215, EU/2017/1216, EU/2017/1217, EU/2017/1218 and EU/2017/1219 all in-going substances (including ingredients, by- products and impurities) must comply with the criteria as specified in table 1 of the regulations.

For impurities, which belongs not to SVHC substances or “specified excluded and limited substances” or enzymes, the threshold level of $\geq 0.010\%$ in the final formulation is given (weight by weight).

Therefore, the maximum use level of our product is based on the presence of 2% impurities in our product.

Criterion: Toxicity to aquatic organism

The above-mentioned product is a mixture.

The components (except water and impurities) of the product are listed on the DID-list version 2016.

Range [%]	Substance	DID-no	Degradation Factor (DF)	Toxicity Factor (TF _{chronic})	Biodegradation	
					Aerobic	Anaerobic
80 - 95	Acid Yellow 23 CI 19140	2550	1	0.01	P	N
0 - 10	Secondary component	2534	0.05	10	Na	Na
0 - 10	Secondary component	2535	1	10	Na	Na

Criterion: Biodegradability

(a) of surfactants

Not relevant: The product does not contain surfactants.

(b) of organic compounds

The above-mentioned product is a mixture. See composition and DID n° in the above table.