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27th April 2011

VOC content of Tau inks and associated flushing fluid

This note explains the VOC content of the Tau inks. No organic solvents are added to the Tau inks during manufacture, but according to US definitions they do still contain some VOC, contributed by the UV-curing monomer content.

Please find below a table detailing the VOC level according to the three industry standards,

Product	Typical VOC level by weight		
	EU definition (Council Directive 1999/13/EC)	US definition (ASTM D 5403 Test Method A) See Note 1	US definition (EPA method 24) See Note 2
Tau UV curing inks	0%	10%	Not applicable
UV ink flush WUS0519	100%	Not applicable	100%

Note 1: This test method is most appropriate for UV-curing inks as it takes into account that most of the volatile material in the inks is not released but fixed during the curing process. VOC stated here is "Total VOC" i.e. the total of "Processing VOC" (lost during the curing process) and the "Potential VOC" (available for release during the lifetime of the print).

Note 2: This method is not suitable for classifying UV-curing inks as most volatile material is not released. It is, however, the most suitable for the flush solution which is not cured.

Yours sincerely



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