



**Revision of the EU Ecolabel criteria for Paints and Varnishes**  
Erratum and updates to the criteria proposal published February 2013

<b>Author(s):</b> Nicholas Dodd, JRC-IPTS	<b>Date:</b> 26 <sup>th</sup> March 2013
<b>Annex 1: Restricted substances and mixtures list</b> <ol style="list-style-type: none"><li>1. A revised draft of the biocides listing concentration limits is provided below which replaced the February 2013 version. This version corrects a number of errors in the proposed limit values and converts the ppm values to percentages.</li><li>2. The proposed concentration limits for d) 3-iodo-2-propynyl butylcarbamate (IPBC) and l) Zinc pyrithione (ZPT) have been updated to reflect stakeholder feedback received since the second AHWG.</li></ol>	
<b>Annex 2: Derogated classifications for hazardous substances and mixtures</b> <ol style="list-style-type: none"><li>1. The derogation conditions for in-can and dry film preservatives should read '<i>Non-bioaccumulative substances shall have a Log Kow &lt; 3.2 and a Bioconcentration Factor (BCF) &lt; 100</i>'</li></ol>	

## Amendments to Annex 1: Restricted substances and mixtures list

### Revised concentration limits for biocides (in-can and dry film preservatives)

Biocides		
<p>In-can and dry film preservatives</p> <p><i>Applicability:</i> As specified.</p>	<p>The following active substances or active substance combinations may be used for the specified function, subject to the specified concentration limits:</p>	<p><i>Verification:</i></p> <p>Applicant shall provide SDS for all ingoing preservatives.</p> <p><i>Test method:</i></p> <p>n/a</p>
	<p>a) Titanium dioxide (80%)/silver chloride (20%)</p> <ul style="list-style-type: none"> <li>- In can preservative (indoor paint) 0.05%</li> <li>- In can preservative (outdoor paint) 0.5%</li> <li>- Dry film preservative (indoor paints) 0.5%</li> <li>- Dry film preservative (outdoor paints) 2.0%</li> </ul>	
	<p>b) 2-methyl-2H- isothiazol-3-one (MIT) / 1,2-benzisothiazol-3(2H)-one (BIT) in a ratio of 1:1</p> <ul style="list-style-type: none"> <li>- In can preservative 0.02%</li> </ul>	
	<p>c) 5-chloro-2-methyl-4-isothiazolin-3-one (CIT) / 2-methyl-4-isothiazolin-3-one (MIT) in a ratio of 3:1</p> <ul style="list-style-type: none"> <li>- In can preservative 0.0015%</li> </ul>	
	<p>d) 3-iodo-2-propynyl butylcarbamate (IPBC)</p> <ul style="list-style-type: none"> <li>- In can preservative 0.06%</li> <li>- Dry film preservative, outdoor wood paints/varnishes 0.45%</li> <li>- Dry film preservative, all other outdoor 0.3%</li> </ul>	

paints/varnishes		
e) 1,2- benzisothiazol-3(2H)-one - In can preservative	0.02%	
f) 2-bromo-2-nitropropane-1,3-diol (BNPD) - In can preservative	0.02%	
g) BNPD + CIT/MIT (3:1) - In can preservative (all paints) for the three combinations of limit values	0.013% + 0.0015%	
	0.015% + 0.0010%	
	0.017% + 0.0005%	
h) MIT/BIT (1:1) + CIT/MIT (3:1) - In can preservative (all paints)	0.015% +	
	0.00125% 0.0125% + 0.0015%	
i) 1,2-dibromo-2,4-dicyanobutane (DBDCB) - In can preservative (all paints)	0.05%	
j) BIT + CIT/MIT (3:1) - In can preservative (all paints)	0.015% +	
k) BNPD + MIT/BIT (1:1) - In can preservative (all paints)	0.012% + 0.0075%	
l) Zinc pyrithione (ZPT) - In-can preservative (all paints)	0.025%	

	- In-can preservative (outdoor applications)	0.10%	
	- Dry film preservative (indoor applications)	0.05%	
	- Dry film preservative (all outdoor applications)	0.25%	
	m) Zinc pyrithione (ZPT) + BIT	0.01% + 0.01%	
	n) Zinc pyrithione (ZPT) + MIT/BIT (1:2 to 1:1)	0.005% + 0.015%	
	q) BNPD + BIT	0.010%	
	- In-can preservative (all paints)	+ 0.010%	
	r) Sodium pyrithione (NaP) + BIT	0.0050%	
	- In-can preservative (all paints)	+ 0.015%	