

BUTYLBENZYLPHTHALATE (BBP)

Comments on the **environmental sections** of the CEPA PSL Draft Assessment Report on BBP were provided by

1. Senior Environmental Specialist, Solutia Inc.

Comments and responses are summarized below by Environment Canada. (All were made to the English version of the report).

Comment ^(source)	Response
Presence of BBP in automobile exhaust is unlikely (Section 2.2.2.2, 7 th paragraph) ⁽¹⁾	Delete first sentence as quantitative statements are made later
Presence of BBP in nail polish is unlikely (Section 2.2.2.2, 8 th paragraph) ⁽¹⁾	Change statement to “BBP may also be used as a component...”
Half-life in water should be <2 days (Section 2.3.1.2, 1 st paragraph) ⁽¹⁾	Give half-life as <2 days, delete Howard <i>et al.</i> (1991) citation, leave in cold water caveat
Rewording suggested for last sentence, 1 st paragraph, Section 2.3.1.5 ⁽¹⁾	Rewrite sentence as “In this study,...residue, and there was insufficient tissue to further characterize the remainder.”
Data presented indicating vapour pressure should be 0.00004 Pa @ 20°C and 0.0008 Pa @ 25°C (Section 2.3.1.6) ⁽¹⁾	Add these values to the physical/chemical data in the Supporting Document (cite Solutia Inc. 1999 unpublished data)
Half-life values are too long (Section 2.3.1.6) ⁽¹⁾	Leave as is. Footnote already explains that persistence values are conservative
“LOEC _{pelagic} = 0.02 × 2000 L/kg × 170 µg/L” should be “LOEC _{benthic} =...” (Section 2.4.1.2) ⁽¹⁾	Make correction
A caveat should be added regarding the use of the Hardwick <i>et al.</i> (1984) study using dibutyl phthalate (Section 2.4.1.4, 1 st paragraph) ⁽¹⁾	Leave as is. A caveat regarding the use of studies on dibutyl phthalate is presented in Section 3.1.2.6
Include in Section 2.4.1.6 the results of 1998-1999 studies (submitted) that show BBP not an endocrine disrupter in fish ⁽¹⁾	Add summary of study results to Section 2.4.1.6

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Comments on the **health-related sections** of the CEPA PSL Draft Assessment Report on BBP were provided by

- Senior Environmental Specialist, Solutia Inc.

Comments and responses are summarized below by Health Canada. (All were made to the English version of the report).

Comment	Response
Attention was drawn to a supposed contradiction in reporting concentrations of BBP, with respect to the reported limit of detection (Section 2.3.2.6, third paragraph)	The reported concentrations were verified and are accurate.