

PROPOSAL TO SAB FOR THE REMOVAL OF 1-BUTANOL FROM THE CCL4 LIST

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1-Butanol (carried to CCL4 from CCL3)

- ▶ Chemical sheet states:
 - Listed as a “Teratogen” by “UMD”
 - Apparently, the IH section of UMD created a list of reproductive toxicants in 1995
- ▶ According to UMD, this list no longer exists

How did 1-butanol end up on UMD List of reproductive toxicants?

- ▶ Unknown
 - ▶ Probably from historical error within REPROTEXT© database (described within written comments submitted to SAB).
 - ▶ REPROTEXT© incorrectly summarized and evaluated the Holmberg & Nurminen, 1980 and Holmberg, 1980 papers.
 - ▶ Current REPROTEXT© database has been corrected
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Other Organizations that have evaluated

1-butanol for teratogenicity

- ▶ California OEHHA
 - ▶ Health Canada
 - ▶ OECD Cooperative chemical Assessment Program (OECD SIDS)
 - ▶ European Union
 - ▶ US EPA (sponsored 1-butanol within the OECD SIDS Program)
 - ▶ **CONCLUSION - 1-butanol is not a teratogen**
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Current Evaluation of 1-butanol

- ▶ REPROTEXT© database has changed evaluation from “Class A-” to “Class B-”
 - ▶ 1-butanol is not classified as a reproductive or developmental toxicant under the latest GHS Classification and Labeling standards
 - ▶ To our knowledge, no organization considers 1-butanol to be a teratogen.
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Recommendation to SAB

- ▶ Recommend to the EPA that 1-butanol be removed from the CCL4 list due to lack of toxicity and absence of “public health concern”.