

### NIEHS/NTP Comments on Toxicological Review of Chloroprene

We commend authors of the document for preparing an excellent review of the toxicology information available on chloroprene in the literature. This is one of the best EPA documents we have reviewed recently.

The only comment we have is on the selection of endpoint used in derivation of RfC. The draft sent to the external reviewers had nasal degenerative effects as the endpoint for derivation of RfC and none of the reviewers objected to the selection of this endpoint in their response to the charge questions. The toxicology data supports the use of this endpoint based on the fact that major target of chloroprene toxicity/carcinogenicity is respiratory system in female mice. However, the current draft used increased incidences of splenic hematopoietic cell proliferation in female B6C3F1 mice as POD for derivation of RfC. No explanation is given for this change and we are wondering whether the external group would support this change. Looking at the figure 5.1, the most appropriate endpoint should be from one of the adverse effects seen in the female mouse lungs.

Submitted by:

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