

SCIENTIFIC COMMITTEE ON CONSUMER PRODUCT (SCCP)

Request for a scientific opinion: Submission IV on 1,2,4-Trihydroxybenzene (CAS 533-73-3) (A033) and stability data

1. Background

Submission I on 1,2,4-Trihydroxybenzene was submitted by COLIPA¹ in August 1981. On 4 November 1991, the SCC deferred classification of that substance due to inadequate data. Submission II was made by COLIPA in September 1994 and Submission III in August 2001. Submission IV contains full and updated scientific data on the above substance which is in line with the second step of the strategy on the evaluation of hair dyes.

The SCCP adopted during the 7th plenary meeting of 18 March 2006 the opinion (SCCP/0962/05) on 1,2,4-Trihydroxybenzene with the conclusion that, "*the information submitted is inadequate to assess the safe use of the substance. Before any further consideration, the following information is required:*

- *Characterisation of the reaction product(s) to which the consumer is exposed, because of the reported instability of 1,2,4-trihydroxybenzene in aqueous systems.*
- *An in vivo micronucleus test to exclude the clastogenic potential.*
- *A thorough interpretation of the literature data should be done.*
- *Further testing on the potential to induce gene mutation is required.*

This hair dye, like many other hair dyes, is a skin sensitiser."

The current submission is the Industry reply to the request from the SCCP in opinion SCCP/0962/05

2. Terms of reference

1. *Is 1,2,4-Trihydroxybenzene safe for use in direct hair dye formulations at a maximum use concentration of 3% taken into account the data provided ?*
2. *And/or does the SCCP recommend any other restrictions with regard to the use of 1,2,4-Trihydroxybenzene in hair dye formulations ?*

¹ The European Cosmetic Toiletry and Perfumery Association