Scientific Literature Review Notice to Proceed – August 5, 2020

Barley-Derived Ingredients

Cosmetic Ingredient Review (CIR) Procedures & Support to the Expert Panel for Cosmetic Ingredient Safety call for the development of a review of the available scientific literature for each cosmetic ingredient (and wherever appropriate, closely related ingredients) on the basis of the annual priority list. The Scientific Literature Review (SLR) shall consist of a bibliography of relevant scientific literature, study reports that have been submitted by interested parties, and a description of each literature reference or submitted study report.

For the barley-derived ingredients listed below, an intensive search of the published information on this ingredient resulted in insufficient information to justify preparation of a formal SLR. CIR, therefore, is issuing this SLR Notice to Proceed (NTP) to alert interested parties that a safety assessment is being prepared and significant data needs remain. The 16-barley derived ingredients to be included in this safety assessment are as follows:

- Hordeum Distichon (Barley) Extract
- Hordeum Distichon (Barley) Seed Flour
- Hordeum Vulgare Extract
- Hordeum Vulgare Flower/Leaf/Stem Juice
- Hordeum Vulgare Juice
- Hordeum Vulgare Leaf Extract
- Hordeum Vulgare Leaf Juice
- Hordeum Vulgare Leaf Powder
- Hordeum Vulgare Leaf/Stem Powder
- Hordeum Vulgare Powder
- Hordeum Vulgare Root Extract
- Hordeum Vulgare Sprout Extract
- Hordeum Vulgare Seed Extract
- Hordeum Vulgare Seed Flour
- Hordeum Vulgare Seed Water
- Hordeum Vulgare Stem Water

Hordeum distichon and Hordeum vulgare are two species of barley, an annual grass, that is cultivated as a cereal grain. Generic method of manufacture for barley flour; generic composition and impurities data for barley grain, barley grass juice, and sprout extract; and case reports and occupational adverse reactions to barley products were found among the available data that are accessible to the public. No relevant toxicity data were discovered. All interested persons are provided 60 days from the above date (i.e., October 4, 2020) to submit comments and/or published or unpublished data. A draft report will be prepared, and reviewed by the Expert Panel for Cosmetic Ingredient Safety at a future meeting. If data are provided in response to this SLR NTP, those data will be incorporated into that draft report.

Given that this notice is being issued because of a general absence of information, CIR is seeking information in a wide range of areas, including:

- Chemistry information, including composition, method of manufacture, and impurity data specific to the use of these ingredients in cosmetics;
- General toxicity data;
- Developmental and reproductive toxicity data;
- Genotoxicity data;
- Carcinogenicity data;
- Dermal irritation and sensitization data;
- Inhalation toxicity data; and
- Any other relevant safety information that may be available

Please forward relevant data and comments to Dr. Bart Heldreth, Executive Director. This notice was prepared, and the search indicated above was performed, by Christina L. Burnett, Senior Scientific Analyst/Writer, CIR.

1Because all unpublished data submitted to CIR will be evaluated in public meetings and may be included in the final published safety assessment, CIR may not accept any confidential or proprietary data or information that cannot be made public. Information may be submitted without identifying the source or the trade name of the cosmetic product containing the ingredient.