

# **Hydrolysed protein**

## **DOCUMENT LCA, Section 2**

### **PHYSICAL AND CHEMICAL PROPERTIES OF THE ACTIVE SUBSTANCE**

| <b>Data point</b>                               | <b>Author(s)</b>  | <b>Year</b> | <b>Title Company Report No. Source (where different from company) GLP or GEP status Published or not</b>  | <b>Vertebrate study Y/N</b> | <b>Data protection claimed Y/N</b> | <b>Justification if data protection is claimed</b> | <b>Owner</b>                    |
|---|---|-------------|---|-----------------------------|------------------------------------|--|---------------------------------|
| 2.1<br>2.5<br>2.7<br>2.8<br>2.9<br>2.10<br>2.13 | Steffen Pfeiffer  | 2009        | Urea 204611.03 Report   | N                           | Y                                  |  | Borealis Agrolinz Melamine GmbH |
| 2.2   | Suzuki et al  | 1955        | Vapor Pressures of Molecular Crystals1). XI. Vapor Pressures of Crystalline Urea and Diformylhydrazine. Energies of Hydrogen Bonds in these Crystals.   | N                           | N                                  |  | Published data                  |
| 2.2   | Jones   | 1960        | Sublimation Pressure Data for Organic Compounds.  | N                           | N                                  |  | Published data                  |
| 2.2   | Ferro et al   | 1987        | Vapour pressures and sublimation enthalpies of urea and some of its derivatives   | N                           | N                                  |  | Published data                  |
| 2.2   | Zaitsau et al.  | 2003        | The effect of the failure of isotropy of a gas in an effusion cell on the vapor pressure and enthalpy of sublimation for alkyl derivatives of carbamide | N                           | N                                  |  | Published data                  |
| 2.3<br>2.5                                      | Analysis reports, Iliopoulos N. (Hellaschem) – Summary Stavrakis N. | 2013        | HELLASCHEM 5 BATCHES ANALYSIS OF ENTOMELA 50SL.   | N                           | Y                                  |  | PHYTOPH YL-STAVRAKIS            |

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|-------------------------------------|---|-------------|---|---------------------------------|--|--|---------------------------------|
| 2.3<br>2.5                          | Iliopoulos N.   | 2013        | Certificate of analysis,<br>1320.130731/309<br><br>Certificate of analysis,<br>1321.130731/309<br><br>Certificate of analysis,<br>1322.130731/309<br><br>Certificate of analysis,<br>1323.130731/309<br><br>Certificate of analysis,<br>1324.130731/309 | N                               | Y                                      |  | PHYTOPH<br>YL-<br>STAVRAKI<br>S |
| 2.6                                 | Fu-Ming<br>Lee et al  | 1972        | Solubility of Urea in Water-<br>Alcohol Mixtures  | N                               | N                                      |  | Published<br>data               |
| 2.9<br>2.10<br>2.11<br>2.13         | Analysis<br>reports,<br>Iliopoulos<br>N.<br>(Hellasche<br>m) –<br>Summary<br>Stavrakis N. | 2014        | JUSTIFIED STATEMENT<br>FOR SAFETY PROPERTIES<br>OF BEET MOLASSES UREA<br>HYDROLYSATES   | N                               | Y                                      |  | PHYTOPH<br>YL-<br>STAVRAKI<br>S |
| 2.9<br>2.10<br>2.11<br>2.12<br>2.13 | Iliopoulos N.   | 2014        | Certificate of analysis,<br>2342(1).140903/309  | N                               | Y                                      |  | PHYTOPH<br>YL-<br>STAVRAKI<br>S |
| 2.12                                | Analysis<br>reports,<br>Iliopoulos<br>N.<br>(Hellasche<br>m) –<br>Summary<br>Stavrakis N. | 2014        | NEW (2014)<br>PHYSICO-CHEMICAL DATA<br>ABOUT ENTOMELA 50SL  | N                               | Y                                      |  | PHYTOPH<br>YL-<br>STAVRAKI<br>S |