

Caprolactam Consortium Sameness Proposal

Caprolactam

| Caprolactam REACH Registration substance sameness proposal * | | |
|--|-------------|-----------------------------|
| | | Date: 2010-02-08 |
| Type of substance | Composition | mono-constituent |
| | Origin | organic |
| Reference EC number (s) | | 203-313-2 |
| Other EC numbers considered to be the same substance | | ./. |
| EC name | | .epsilon.-Caprolactam |
| Other Name: | | 2H-Azepin-2-one, hexahydro- |
| CAS number (s) | | 105-60-2 |
| SMILES | | |
| Structural formula (or formulae) | | C6H11NO |
| Structure image or diagram (indicative) | | |
| Molecular weight (or range) | | 113.16 |

* Note: this proposal is based on §5 of the Guidance Document "identification and naming under REACH".

| Substance Composition | | | | | | | | | | | |
|---|---|---------|--|--|--|--|--|--|--|--|--|
| Purity | Typical purity of substance | > 99 % | expressed as % dry weight, that is excluding water | | | | | | | | |
| | Lower content | > 80 % | | | | | | | | | |
| | Higher content | < 100 % | | | | | | | | | |
| Impurities in the substance ** | <p>The substance may contain the impurities indicated below, derived from the production process, each one present at the concentrations indicated below :</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 80%; height: 20px;"></td><td style="width: 20%;"></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> </table> | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| <p>If hazardous impurities are present, any specific risks or impacts on PBT assessment and classification and labelling relating to impurities must be evaluated by the registrants in its own company-specific part of the registration dossier.</p> | | | | | | | | | | | |
| <p>The Registration Dossier prepared, and in particular the Classification and Labelling proposals and hazard assessment, will address the substance including only the impurities indicated above.</p> | | | | | | | | | | | |
| <p>In any case, each registrant will have to specify separately all impurities in their own product, in the company-specific (confidential) part of the joint registration dossier. If a Registrant's substance is not to conform to the above then they will have to, in the company specific (confidential) part of the registration dossier, justify that the differences do not modify the IUCLID5 and CSR conclusions and do not require a different Classification and Labelling or different exposure scenarios.</p> | | | | | | | | | | | |
| | | | | | | | | | | | |

** Note: The Guidance Document "identification and naming under REACH" states: << No differentiation is made between technical, pure or analytical grades of the substances. The "same" substance may have all grades of any production process with different amounts of different impurities. However, well-defined substances should normally contain the main constituent(s) and the only impurities allowed are those derived from the production process (for details see Chapter 4.2) and additives which are necessary to stabilize the substance. >>

| Proposed tonnage band | |
|--|---------------------|
| The Caprolactam Consortium is currently planning to prepare registration for this substance conform to the REACH deadline for the following tonnage band | > 1,000 tonnes/year |