

FARM Consortium Sameness Proposal

POTASSIUM SULFATE

| FARM REACH Registration substance sameness proposal ** | | |
|--|-------------|--------------------------------|
| | | Date: 05/NOV/2009 |
| Type of substance | Composition | mono-constituent |
| | Origin | inorganic |
| Reference EC number (s) | | 231-915-5 |
| Other EC numbers considered to be the same substance | | |
| EC name | | Potassium sulfate |
| CAS number (s) | | 7778-80-5 |
| SMILES | | [K+].[K+].[O-]S(=O)(=O)[O-] |
| Structural formula (or formulae) | | K ₂ SO ₄ |
| Structure image or diagram (indicative) | | |
| Molecular weight (or range) | | 174.3 |

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

| Composition | | | |
|--------------------------------------|---|------------|--|
| Purity | Lower content K₂SO₄ | 80% | expressed as % dry weight, that is excluding water |
| Impurities in the substance * | The substance may contain following relevant impurity derived from the production process: - KHSO ₄ | | |
| | <p>Based on cut-off values described in the statutory regulations, KHSO₄ (R34/H314) needs to be taken into account for C&L of K₂SO₄, resulting in: H314 (skin corr 1B), H318 (irrevers eye effects cat 1) at worst case.</p> <p>Within FARM It was agreed to follow a step wise testing strategy to evaluate whether KHSO₄ is relevant or not for the classification and labeling of K₂SO₄.</p> <p>If test results indicate KHSO₄ as a relevant impurity, a strategy will be developed on how to address the substance with and without KHSO₄ as impurity in the Registration Dossier prepared, and in particular the Classification and Labeling proposals and hazard assessment,.</p> <p>All other impurities which may be present, do not lead to a different Classification and Labeling proposal, nor hazard assessment.</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.</p> <p>If a Registrant's substance is not conform to the above then they will eventually have to adapt their relevant IUCLID5 parts and/or CSR.</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.. >>

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