

# FARM Consortium Sameness Definition

## MAGNESIUM SULPHATE

FARM REACH Registration substance sameness definition **	
	Date: 11/08/09
Type of substance	Composition
	Origin
Reference EC number (s)	mono-constituent inorganic
Other EC numbers considered to be the same substance	231-298-2
EC name	Magnesium sulphate
CAS number (s)	7487-88-9
SMILES	O=S(O=)([O-])[O-], [Mg+2]
Molecular formula (or formulae)	H2O4S.Mg or MgSO4
Structure image or diagram (indicative)	
Molecular weight (or range)	120,3

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

Composition			
Purity	Typical purity of substance	> 80	expressed as % dry weight, that is excluding water
	Lower content	80	
	Higher content	100	
Impurities in the substance *	<p>The Registration Dossier prepared will address the pure substance. Each registrant will have to specify separately the impurities in their own product, in the company-specific (confidential) part of the joint registration dossier. The Registration Dossier, and in particular the Classification and Labelling proposals and hazard assessment will assume that substance as placed on the market conforms to:</p> <ul style="list-style-type: none"> <li>All impurities &gt; 1% are other inorganic salts or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties</li> <li>All other impurities do not lead to a different classification and labelling</li> </ul> <p>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. .... >>