

FARM Consortium Substance Identity Profile

POTASSIUM NITRATE

FARM REACH Registration substance sameness proposal **		
		Date: 29/06/09
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	231-818-8	
Other EC numbers considered to be the same substance		
EC name	Potassium nitrate	
CAS number (s)	7757-79-1	
SMILES	O(N(=O)=O)K	
Structural formula (or formulae)	KNO ₃	
Structure image or diagram (indicative)		
Molecular weight (or range)	101.1	

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

Composition			
Purity	Typical purity of substance	> 97 %	expressed as % dry weight, that is excluding water
	Lower content	> 95%	
	Higher content	> 99%	
Impurities in the substance *	The joint submission dossier will address the pure substance. The Classification and Labelling proposals and hazard assessment will assume that substance as placed on the market conforms to: <ul style="list-style-type: none">All impurities > 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 propertiesAll other impurities do not lead to a different classification and labelling Each registrant will have to specify separately the impurities in their own product as indicated in "Technical Guidance Document for Identification and Naming of substances under REACH" in the individual company-specific part of the registration dossier.		

* 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 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