

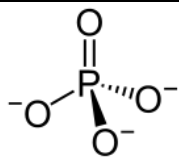
Inorganic Phosphates REACH Consortium

Version	SUBSTANCE IDENTIFICATION PROFILE (SIP)
v.3	
02/11/16	

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
IP13	Dipotassium hydrogenorthophosphate	231-834-5	7758-11-4	mono-constituent

This Substance Identification Profile (SIP) is developed to represent the Identification parameters of the substance described in line with the Substance Identification requirements of REACH Annex VI and relevant guidance for the purpose of identifying the registered substance and the provision of a 'boundary composition' for IUCLID 6 dossier updates.

Reference	SI Parameter	Value / Not necessary / Not for SIP	Remark / Justification
2.1.A	Name or other Identifiers of the substance		
	CAS (hydrates)	16788-56-1, 78436-04-1	
	SMILES	OP(=O)([O-])[O-].[K+].[K+]	
	Molecular formula	H3O4P.2K	
	Structural image / diagram (indicative)		
	EU food legislation number / INS n°	E340ii	
	State / form	Solid: Particulate / Powder	
	Granulometry range	Ca. 100% particles have a diameter of <100µm	Considered to pose an inhalation risk Depending on method of particle size determination it cannot be excluded that the substance falls under the proposed horizontal EU nano definition from 2011, but since validated methodology is missing and a revision of the definition is expected, there is no way to confirm the status.
	pH range for aqueous solutions	The pH of this solution, observed in the water solubility study, was pH 10.1 - 10.7.	
2.1.B	Substances (with core identifiers) also falling under this substance (with justification)		
	Name or other Identifiers of	Not applicable	



Inorganic Phosphates REACH Consortium

	the substance		
	EC Number		
	CAS number		
	Additional information		
2.3	Chemical Composition of the substance		
2.3.1	Main Constituent		
	Name	Dipotassium hydrogenorthophosphate	
	Typical concentration (%w/w)	>90%	
	Concentration range (%w/w)	>70-100%	
2.3.2	Typical Impurity / Impurities (above 1% or lower if contributing to the hazard or PBT profile) - create repeat blocks if necessary		
2.3.2.1	Name -Impurity (1)	Potassium dihydrogenorthophosphate	
	CAS Number -Impurity (1)	7778-77-0	
	EC Number -Impurity (1)	231-913-4	
	Molecular Formula -Impurity (1)	H2O4P.K	
	Typical concentration (%w/w) -Impurity (1)	<15%	
	Concentration range (%w/w) -Impurity (1)	≥ 0 < 15%	
	Relevant for classification and labelling?	N	
2.3.3	Additives - create block similar to impurities if relevant		
	Not relevant		
2.4	Classification and labelling		
	Not classified		
2.5	Justification for deviation from substance identity rules		
	not applicable		