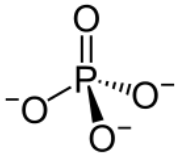


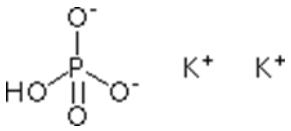
Inorganic Phosphates REACH Consortium

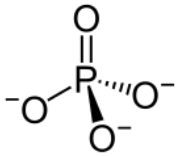
Version
v.4
26/02/21

SUBSTANCE IDENTIFICATION PROFILE (SIP)

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		The substance is considered to be inhalable. Nano forms (in accordance with COMMISSION REGULATION (EU) 2018/1881 of 3 December 2018 on the definition of nanomaterial) have not been identified.
	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 the substance	Not applicable	
	EC Number		
	CAS number		
	Additional information		



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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)**		
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**		
Not relevant			
2.4	**Classification and labelling**		
Not classified			
2.5	**Justification for deviation from substance identity rules**		
Not applicable			