

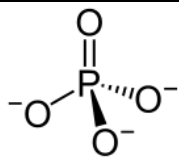
## Inorganic Phosphates REACH Consortium

<b>Version</b>	<b>SUBSTANCE IDENTIFICATION PROFILE (SIP)</b>
<b>v.3</b>	
<b>03/11/16</b>	

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
IP55	Potassium pentahydrogen bis(phosphate)	238-961-5	14887-42-4	mon-constituent substance

*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
<b>2.1.A</b>	<b>Name or other Identifiers of the substance</b>		
	CAS (hydrates)	n/a	
	Synonyms	N/A	
	SMILES	OP(=O)(O)[O-].[K+]. P(=O)(O)(O)O	
	Molecular formula	H3O4P.1/2K	
	Structural image / diagram (indicative)		
	EU food legislation number / INS n°	n/a	
	State / form	Solids: Particulate / Powder	
	Granulometry range	Ca. 10% of particles have a particle size of <254.4µm	No 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, measured in the water solubility study was found to be pH 1	
<b>2.1.B</b>	<b>Substances (with core identifiers) also falling under this substance (with justification)</b>		



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	Name or other Identifiers of the substance	Not applicable	
<b>2.3</b>	<b>Chemical Composition of the substance</b>		
<b>2.3.1</b>	<b>Main Constituent</b>		
	Name	Potassium pentahydrogen bis(phosphate)	
	Typical concentration (%w/w)	>90%	
	Concentration range (%w/w)	> 90 ≤ 100%	
<b>2.3.2</b>	<b>Typical Impurity / Impurities (above 1% or lower if contributing to the hazard or PBT profile) - create repeat blocks if necessary</b>		
2.3.2.1	Name -Impurity (1)		
	CAS Number -Impurity (1)		
	EC Number -Impurity (1)		
	Molecular Formula - Impurity (1)		
	Typical concentration (%w/w) -Impurity (1)		
	Concentration range (%w/w) -Impurity (1)		
	Relevant for classification and labelling?		
<b>2.3.3</b>	<b>Additives - create block similar to impurities if relevant</b>		
Not relevant			
<b>2.4</b>	<b>Classification and labelling</b>		
Yes - See ECHA Chem website			
<b>2.5</b>	<b>Justification for deviation from substance identity rules</b>		
not applicable			