

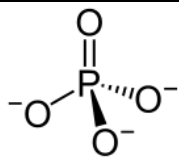
Inorganic Phosphates REACH Consortium

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
IP15	Tetrapotassium pyrophosphate	230-785-7	7320-34-5	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)	79102-70-8, 7790-67-2	
	SMILES	[O-]P(=O)([O-])OP(=O)([O-])[O-].[K+].[K+].[K+].[K+]	
	Molecular formula	H4O7P2.4K	
	Structural image / diagram (indicative)		
	EU food legislation number / INS n°	E450v	
	State / form	Solid: Particulate / Powder	
	Granulometry range	Between 10% and ≥ 70% of particles have a diameter of <100µm	<p>Considered to pose an inhalation risk</p> <p>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.</p>
	pH range for aqueous solutions	The pH of the solution observed in the water solubility study was pH 10.7-10.9	



Inorganic Phosphates REACH Consortium

2.1.B	Substances (with core identifiers) also falling under this substance (with justification)		
	Name or other Identifiers of the substance	Not applicable	
2.3	Chemical Composition of the substance		
2.3.1	Main Constituent		
	Name	Tetrapotassium pyrophosphate	
	Typical concentration (%w/w)	>90%	
	Concentration range (%w/w)	>90-100%	
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)		
	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?		
2.3.3	Additives - create block similar to impurities if relevant		
	Not relevant		
2.4	Classification and labelling		
	Yes - see ECHA Chem website		
2.5	Justification for deviation from substance identity rules		
	not applicable		