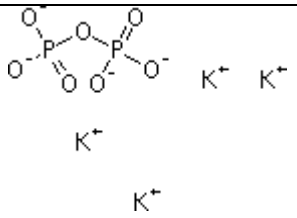
Version	SUBSTANCE IDENTIFICATION PROFILE (SIP)
v.4	
26/02/21	

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		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 the solution observed in the water solubility study was pH 10.7-10.9	
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)**		
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**		
Not relevant			
2.4	**Classification and labelling**		
Yes - see ECHA Chem website			
2.5	**Justification for deviation from substance identity rules**		
Not applicable			