

Inorganic Phosphates REACH Consortium

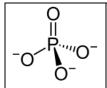
Version	SUBSTANCE IDENTIFICATION PROFILE (SIP)
v.1	` '
30/5/17	

No	1.1. Chemical	1.2. EC Number	1.3. CAS	1.4.
	Name		Number	Composition
				Туре
IP26	Dicalcium	232-221-5	7790-	mono-
	pyrophosphate		76-3	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
2.1.A	Name or other Identifiers of the substance		
	CAS (hydrates)	7790-76-3	
	Synonyms	Diphosphoric acid, calcium salt (1:2); Dicalcium diphosphate	
	SMILES	[Ca+2].[Ca+2].[O-]P([O-])(=O)OP([O-])([O-])=O	
	Molecular formula	Ca2O7P2	
	Structural image / diagram (indicative)	O—P=O Ca O	
	EU food legislation number / INS n°	n/a	
	State / form	Solid: Particulate / Powder	
	Granulometry range	Up to 100% of particles have a diameter of $<100\mu m$, D50 = 12.6 μm	
	pH range for aqueous solutions	The pH of the solution observed in the water solubility study was pH 4	
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		

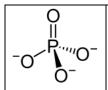




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	Additional			
2.2	information	- fabb-t		
2.3	Chemical Composition of the substance			
2.3.1	Main Constituent	Di Li		
	Name	Dicalcium pyrophosphate		
	Typical concentration	>90%		
	(%w/w)			
	Concentration range	>80 - 100%		
	(%w/w)			
2.3.2	Typical 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)	Calcium dihydrogenpyrophosphate		
	CAS Number - Impurity (1)	14866-19-4		
	EC Number -Impurity (1)	238-933-2		
	Molecular Formula - Impurity (1)			
	Typical	< 2%		
	concentration			
	(%w/w) -Impurity (1)			
	Concentration range (%w/w) -Impurity (1)	0-2%		
	Relevant for	N		
	classification and			
	labelling?			
2.3.2.2	Name -Impurity (2)	Calcium bis(metaphosphate)		
	CAS Number - Impurity (2)	13477-39-9		
	EC Number -Impurity	236-769-6		
	(2)			
	Molecular Formula -			
	Impurity (2)			
	Typical	< 2%		
	concentration (%w/w) -Impurity (2)			
	Concentration range	0-2%		
	(%w/w) -Impurity (2)	J 276		
	Relevant for	N		
	classification and labelling?			
2.3.2.3	Name -Impurity (3)	Calcium hydrogenorthophosphate		
	CAS Number - Impurity (3)	7757-93-9		
	EC Number -Impurity	231-826-1		
	(3)			





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	Molecular Formula -	Ca.H3O4P	
	Impurity (3) Typical concentration (%w/w) -Impurity (3)	Ca. 3%	
	Concentration range (%w/w) -Impurity (3)	0-5%	
	Relevant for classification and labelling?	N	
2.3.2.4	Name -Impurity (4) CAS Number - Impurity (4)	Inorganic impurities	
	EC Number -Impurity (4)		
	Molecular Formula - Impurity (4)		
	Typical concentration (%w/w) -Impurity (4)		
	Concentration range (%w/w) -Impurity (4)	0-10%	Inorganic phosphates or other related inorganic substances in various composition >1% but always below 10% (w/w).
	Relevant for classification and labelling?	N	
2.3.3	Additives - create bloc	k similar to impurities if relevant	·
		Not relevant	
2.4	Classification and labelling		
		Not classified	
2.5	Justification for deviat	tion from substance identity rules	
not applicable			