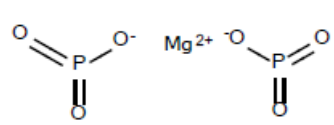


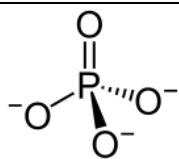


Version	SUBSTANCE IDENTIFICATION PROFILE (SIP)
v.3	
27/02/2020	

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
IP69	Magnesium dimetaphosphate	237-000-7	13573-12-1	mono-constituent substance

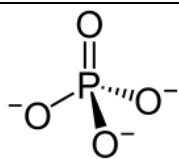
This Substance Identification Profile (SIP) is developed to represent the Identification parameters of the substance described in line with the Substance Identification requirements of REACH Annex VI and relevant guidance for the purpose of identifying the registered substance and the provision of a '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)	13573-12-1	
	Synonyms		
	SMILES		
	Molecular formula	MgP2O6; HO3P.1/2Mg	
	Structural image / diagram (indicative)		
	EU food legislation number / INS n°	n/a	
	State / form	Solid: Particulate / Powder	
	Granulometry range	D50 = 12.1 µm	
	pH range for aqueous solutions	The pH of the solution observed in the water solubility study was pH 6.2-6.9	
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 information		
2.3	Chemical Composition of the substance		
2.3.1	Main Constituent		
	Name	Magnesium dimetaphosphate	
	Typical concentration (%w/w)	>90%	
	Concentration range (%w/w)	>80 - 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)	Calcium oxide	
	CAS Number - Impurity (1)	1305-78-8	
	EC Number - Impurity (1)	215-138-9	
	Molecular Formula -Impurity (1)	CaO	
	Typical concentration (%w/w) -Impurity (1)	ca.1%	
	Concentration range (%w/w) - Impurity (1)	0<5%	
	Relevant for classification and labelling?	N	
2.3.2.2	Name -Impurity (2)	Aluminium oxide	
	CAS Number - Impurity (2)	1344-28-1	
	EC Number - Impurity (2)	215-691-6	
	Molecular Formula -Impurity (2)	Al ₂ O ₃	
	Typical concentration (%w/w) -Impurity (2)	ca.1%	
	Concentration range (%w/w) - Impurity (2)	0<5%	
	Relevant for classification and labelling?		
2.3.2.3	Name -Impurity (3)	Calcium bis(metaphosphate)	



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	CAS Number - Impurity (3)	13477-39-9	
	EC Number - Impurity (3)	236-769-6	
	Molecular Formula - Impurity (3)	(Ca(PO ₃) ₂) _n	
	Typical concentration (%w/w) - Impurity (3)	< 5%	
	Concentration range (%w/w) - Impurity (3)	0<5%	
	Relevant for classification and labelling?	N	
2.3.2.4	Name - Impurity (4)	Magnesium dihydrogen diphosphate	
	CAS Number - Impurity (4)	20768-12-1	
	EC Number - Impurity (4)	244-016-8	
	Molecular Formula - Impurity (3)	H ₂ MgO ₇ P ₂	
	Typical concentration (%w/w) - Impurity (4)	< 5%	
	Concentration range (%w/w) - Impurity (4)	0<5%	
	Relevant for classification and labelling?	N	
2.3.3	Additives - create block similar to impurities if relevant		
	Not relevant		
2.4	Classification and labelling		
	Not classified		
2.5	Justification for deviation from substance identity rules		
	not applicable		