

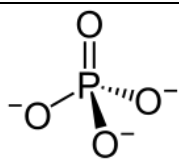


Version	SUBSTANCE IDENTIFICATION PROFILE (SIP)
v.4	
23/03/2018	

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
IP40	Aluminium orthophosphate	232-056-9	7784-30-7	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)	22784-12-9	
	Synonyms	Tribasic aluminium phosphate	
	SMILES	[O-]P(=O)([O-])[O-].[Al+3]	
	Molecular formula	Al.H3O4P	
	Structural image / diagram (indicative)		
	EU food legislation number / INS n°	n/a	
	State / form	Solid: Particulate / Powder	
	Granulometry range	Ca. 100% of particles are <100µm in diameter	Considered to pose an 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	pH 2.5 - 8.2	
2.1.B	Substances (with core identifiers) also falling under this substance (with justification)		
	Name or other	Not applicable	



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	Identifiers of the substance		
2.3	Chemical Composition of the substance		
2.3.1	Main Constituent		
	Name	Aluminium orthophosphate	
	Typical concentration (%w/w)	98%	
	Concentration range (%w/w)	80- c.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)	Aluminium metaphosphate	
	CAS Number - Impurity (1)	13776-88-0	
	EC Number - Impurity (1)	237-415-3	
	Molecular Formula -Impurity (1)	Al.3HO3P	
	Typical concentration (%w/w) -Impurity (1)	ca. 5 %	
	Concentration range (%w/w) - Impurity (1)	0 - 20 %	
	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		