



Version	SUBSTANCE IDENTIFICATION PROFILE (SIP)
v.4	
23/03/2020	

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
IP41	Aluminium dihydrogen triphosphate	237-714-9	13939-25-8	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)	n/a	
	Synonyms	Aluminium tripolyphosphate Aluminium dihydrogen triphosphate dihydrate	
	SMILES	[O-]P(=O)([O-])OP(=O)([O-])OP(=O)([O-])[O-].[Al+3]	
	Molecular formula	Al.H2O1P3 or AlO10P2-3	
	Structural image / diagram (indicative)		
	EU food legislation number / INS n°	n/a	
	State / form	Solid: Particulate / Powder	
	Granulometry range	More than 90% of particles are <100µm in diameter	
	pH range for aqueous solutions	pH value : range for the anhydrous substance: 2.0 - 2.5 (10% suspension) Range for dihydrate: 2.2- 2.8 (10% suspension)	
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		

	<h2>Inorganic Phosphates REACH Consortium</h2>
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	Name	Aluminium dihydrogen triphosphate	
	Typical concentration (%w/w)	99.5 %	
	Concentration range (%w/w)	99 - 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)	Inorganic substances	
	CAS Number - Impurity (1)		
	EC Number - Impurity (1)		
	Molecular Formula - Impurity (1)		
	Typical concentration (%w/w) - Impurity (1)		
	Concentration range (%w/w) - Impurity (1)	0 - 1 %	
	Relevant for classification and labelling?	N	
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		