

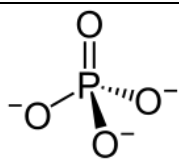
Inorganic Phosphates REACH Consortium

Version	SUBSTANCE IDENTIFICATION PROFILE (SIP)
v.3	
4/11/16	

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
IP67	Diphosphoric acid, Ammonium Salt	245-159-9	22690-73-9	mono-constituent substance

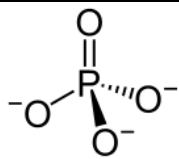
This Substance Identification Profile (SIP) is developed to represent the Identification parameters of the substance described in line with the Substance Identification requirements of REACH Annex VI and relevant guidance for the purpose of identifying the registered substance and the provision of a '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)	27796-66-3	
	Synonyms	diphosphoric acid ammonium salt (1:1) diphosphoric acid, monoammonium salt monoammonium pyrophosphate	
	SMILES	[NH4+].OP(=O)(O)OP(=O)(O)[O-]	
	Molecular formula	NH4H3P2O7 or H4P2O7.xH3N	
	Structural image / diagram (indicative)		
	EU food legislation number / INS n°	n/a	
	State / form	substance placed on the market as an aqueous solution	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
	Granulometry range	100% ≥1mm and ≤5mm	substance available in mixtures only
	pH range for aqueous solutions	pH 4-5 (10% suspension)	Depending on pH in production process



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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	Diphosphoric acid, ammonium salt	
	Typical concentration (%w/w)	≥88%	
	Concentration range (%w/w)	80-95%	
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 expressed as Al ₂ O ₃	
	CAS Number -Impurity (1)	1344-28-1	
	EC Number -Impurity (1)	215-691-6	
	Molecular Formula - Impurity (1)	Al ₂ O ₃	
	Typical concentration (%w/w) -Impurity (1)	< 1.2%	
	Concentration range (%w/w) -Impurity (1)	0-1.2%	
	Relevant for classification and labelling?	N	
2.3.2.2	Name -Impurity (2)	Iron expressed as Fe ₂ O ₃	
	CAS Number -Impurity (2)	1309-37-1	
	EC Number -Impurity (2)	215-168-2	
	Molecular Formula - Impurity (2)	Fe ₂ O ₃	
	Typical concentration (%w/w) -Impurity (2)	< 1.2%	
	Concentration range (%w/w) -Impurity (2)	0-1.2%	
	Relevant for classification and labelling?	N	
2.3.2.3	Name -Impurity (3)	Silicon dioxide	
	CAS Number -Impurity (3)	1314-11-0	
	EC Number -Impurity (3)	231-545-4	
	Molecular Formula - Impurity (3)	O ₂ Si	
	Typical concentration (%w/w) -Impurity (3)	< 4.5%	
	Concentration range (%w/w) -Impurity (3)	0-4.5%	



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	Relevant for classification and labelling?	N	
2.3.2.4	Name -Impurity (4)	Sodium Chloride	
	CAS Number -Impurity (4)	7647-14-5	
	EC Number -Impurity (4)	231-598-3	
	Molecular Formula - Impurity (4)	NaCl	
	Typical concentration (%w/w) -Impurity (4)	< 4.5%	
	Concentration range (%w/w) -Impurity (4)	0-4.5%	
	Relevant for classification and labelling?	N	
2.3.2.5	Name -Impurity (5)	Strontium expressed as Strontium oxide	
	CAS Number -Impurity (5)	1314-11-0	
	EC Number -Impurity (5)	215-219-9	
	Molecular Formula - Impurity (5)	OSr	
	Typical concentration (%w/w) -Impurity (5)	< 3%	
	Concentration range (%w/w) -Impurity (5)	0-3%	
	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 applicable		
2.5	Justification for deviation from substance identity rules		
	not applicable		