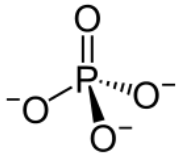


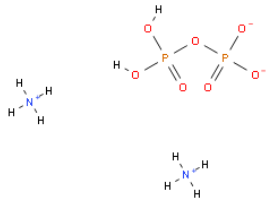
Inorganic Phosphates REACH Consortium

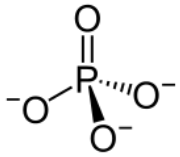
Version
v.5
26/02/21

SUBSTANCE IDENTIFICATION PROFILE (SIP)

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
IP67	Diammonium dihydrogenpyrophosphate	237-059-9	13597-86-9	mono-constituent substance

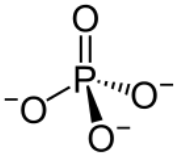
This Substance Identification Profile (SIP) is developed to represent the Identification parameters of the substance described in line with the Substance Identification requirements of REACH Annex VI and relevant guidance for the purpose of identifying the registered substance and the provision of a '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	13597-86-9	
	Synonyms	Diammonium dihydrogenpyrophosphate, diammonium dihydrogen diphosphate, diphosphoric acid, ammonium salt (1:2)	
	SMILES	[NH4+].[NH4+].O[P](O)(=O)O[P]([O-])([O-])=O	
	Molecular formula	H10N2O7P2 / H10N2O7P2 / H4O7P2.2H3N	
	Structural image / diagram (indicative)		
	EU food legislation number / INS n°	n/a	
	State / form	The substance is placed on the market in solid mixtures, in form of granules.	
	Granulometry range		The substance is considered to be inhalable. Nano forms (in accordance with COMMISSION REGULATION (EU) 2018/1881 of 3 December 2018 on the



Inorganic Phosphates REACH Consortium

			definition of nanomaterial) have not been identified.
	pH range for aqueous solutions	>=4	
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	Diammonium dihydrogenpyrophosphate	
	Typical concentration (%w/w)	≥80%	
	Concentration range (%w/w)	80-100%	
2.3.2	**Typical Impurity / Impurities (above 1% or lower if contributing to the hazard or PBT profile)**		
2.3.2.1	Name -Impurity (1)	inorganic salts of metals, not influencing the toxicological or eco-toxicological properties of the substance	
	CAS Number -Impurity (1)	n.a	
	EC Number -Impurity (1)	n.a.	
	Molecular Formula -Impurity (1)	-	
	Typical concentration (%w/w) -Impurity (1)	< 8.5 %	
	Concentration range (%w/w) -Impurity (1)	0-8.5 %	
	Relevant for classification and labelling?	N	
2.3.2.2	Name -Impurity (2)	Silicon dioxide	
	CAS Number -Impurity (2)	1314-11-0	
	EC Number -Impurity (2)	231-545-4	
	Molecular Formula -Impurity (2)	O2Si	
	Typical concentration (%w/w) -Impurity (2)	< 5.0%	
	Concentration range (%w/w) -Impurity (2)	0-5.0%	
	Relevant for classification and labelling?	N	
2.3.2.3	Name -Impurity (3)	Sodium Chloride	
	CAS Number -Impurity (3)	7647-14-5	
	EC Number -Impurity (3)	231-598-3	
	Molecular Formula -Impurity (3)	NaCl	
	Typical concentration (%w/w) -Impurity (3)	< 4.5%	
	Concentration range (%w/w) -	0-4.5%	



Inorganic Phosphates REACH Consortium

	Impurity (3)		
	Relevant for classification and labelling?	N	
2.3.2.4	Name -Impurity (4)	ammonium polyphosphates not influencing the toxicological or eco-toxicological properties of the substance	
	CAS Number -Impurity (4)	n.a.	
	EC Number -Impurity (4)	n.a.	
	Molecular Formula -Impurity (4)	-	
	Typical concentration (%w/w) -Impurity (4)	< 2.0%	
	Concentration range (%w/w) -Impurity (4)	0-2.0%	
	Relevant for classification and labelling?	N	
2.3.3	**Additives**		
Not relevant			
2.4	**Classification and labelling**		
Not applicable			
2.5	**Justification for deviation from substance identity rules**		
Not applicable			