

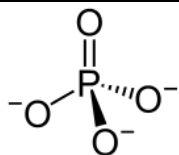
Inorganic Phosphates REACH Consortium

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
IP44	Boron orthophosphate	236-337-7	13308-51-5	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	Boron orthophosphate monohydrate	
	SMILES	B12OP(=O)(O1)O2	
	Molecular formula	BO4P	
	Structural image / diagram (indicative)		
	EU food legislation number / INS n°	n/a	
	State / form	Solid: Particulate/ Powder	
	Granulometry range	More than 70% of particles are <100µm in diameter	
	pH range for aqueous solutions	pH 2.5- 3.5 (20.0 ± 0.5°C)	
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		



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	Name	Boron orthophosphate	
	Typical concentration (%w/w)	98%	
	Concentration range (%w/w)	90 - 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)	Boric acid	
	CAS Number - Impurity (1)	10043-35-3	
	EC Number - Impurity (1)	231-319-2	
	Molecular Formula -Impurity (1)	H3BO3	
	Typical concentration (%w/w) -Impurity (1)	<5.5%	
	Concentration range (%w/w) - Impurity (1)	>0% < 5.5%	
	Relevant for classification and labelling?	N	
2.3.2.2.	Name -Impurity (1)	Diboron trioxide	
	CAS Number - Impurity (1)	1303-86-2	
	EC Number - Impurity (1)	215-125-8	
	Molecular Formula -Impurity (1)	B2O3	
	Typical concentration (%w/w) -Impurity (1)		
	Concentration range (%w/w) - Impurity (1)	0 < 5 %	
	Relevant for classification and labelling?	N	

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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	