

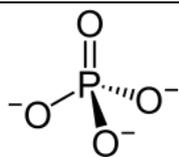
Inorganic Phosphates REACH Consortium

Version	SUBSTANCE IDENTIFICATION PROFILE (SIP)
v.3	
02/11/16	

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
IP34	Manganese bis(dihydrogen phosphate)	242-520-2	18718-07-5	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	Monomanganese phosphate Manganese (2+) diphosphate Manganous dihydrogen phosphate Phosphoric acid, manganese (2+) salt (2:1) Mazhef salt Manganese biphosphate Manganese phosphate monobasic Manganese-2-phosphate	
	SMILES	[O-]P(=O)([O-])[O-].[O-]P(=O)([O-])[O-].[Mn+2]	
	Molecular formula	H3O4P.1/2Mn or MnO8P2 or H4MnO8P2	
	Structural image / diagram (indicative)		
	EU food legislation number / INS n°	n/a	
	State / form	Solid: Particulate / Powder	
	Granulometry range	Less than 2% of particles are <100µnm in diameter	No inhalation risk Depending on method of particle



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			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	1% solution: pH 3.0 - 4.0 at 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		
	Name	Manganese bis(dihydrogen phosphate)	
	Typical concentration (%w/w)	100%	
	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)	Orthophosphoric acid	
	CAS Number -Impurity (1)	7664-38-2	
	EC Number -Impurity (1)	616-646-7	
	Molecular Formula - Impurity (1)	H3PO4	
	Typical concentration (%w/w) -Impurity (1)	≤1%	
	Concentration range (%w/w) -Impurity (1)	>0≤20%	
	Relevant for classification and labelling?	Y	If ≥1% classify as Acute oral 4, H302 If ≥10% classify as Acute oral 4, H302 and skin irrit., Cat 2, H315
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		