

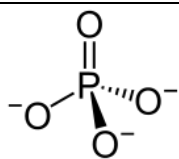


Version	<b>SUBSTANCE IDENTIFICATION PROFILE (SIP)</b>
v.3	
02/11/16	

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
IP35	Manganese hydrogen phosphate	257-147-0	51349-94-1	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
<b>2.1.A</b>	<b>Name or other Identifiers of the substance</b>		
	CAS (hydrates)	10124-54-6	
	Synonyms	Manganese orthophosphate Manganese (2+) phosphate Manganous phosphate Phosphoric acid, manganese salt	
	SMILES	[Mn+2].[O-]P(=O)([O-])[O-]	
	Molecular formula	MnHPO4 or H3O4P.Mn	
	Structural image / diagram (indicative)		
	EU food legislation number / INS n°	n/a	
	State / form	Solid: Particulate / Powder	
	Granulometry range	>80% of the particles are <100µm in diameter	Considered to pose an inhalation risk  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



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			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 4.0 - 5.5 at 20.0 ± 0.5°C	
<b>2.1.B</b>	<b>Substances (with core identifiers) also falling under this substance (with justification)</b>		
	Name or other Identifiers of the substance	Manganese orthophosphate	
	EC Number	233-341-0	
	CAS number	10124-54-6	
	Additional information	n/a	
<b>2.3</b>	<b>Chemical Composition of the substance</b>		
<b>2.3.1</b>	<b>Main Constituent</b>		
	Name	Manganese hydrogen phosphate	
	Typical concentration (%w/w)	99.50%	
	Concentration range (%w/w)	99 - c.100%	
<b>2.3.2</b>	<b>Typical Impurity / Impurities (above 1% or lower if contributing to the hazard or PBT profile) - create repeat blocks if necessary</b>		
2.3.2.1	Name -Impurity (1)		
	CAS Number -Impurity (1)		
	EC Number -Impurity (1)		
	Molecular Formula - Impurity (1)		
	Typical concentration (%w/w) -Impurity (1)		
	Concentration range (%w/w) -Impurity (1)		
	Relevant for classification and labelling?		
<b>2.3.3</b>	<b>Additives - create block similar to impurities if relevant</b>		
	Not relevant		
<b>2.4</b>	<b>Classification and labelling</b>		
	Yes- See ECHA Chem website		
<b>2.5</b>	<b>Justification for deviation from substance identity rules</b>		
	not applicable		