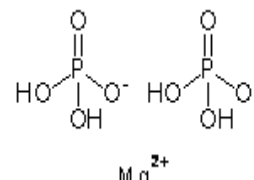


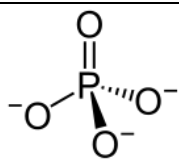
	<h2>Inorganic Phosphates REACH Consortium</h2>
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Version	<h3>SUBSTANCE IDENTIFICATION PROFILE (SIP)</h3>
v.3	
02/11/16	
6	

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
IP31	Magnesium bis(dihydrogenorthophosphate)	236-004-6	13092-66-5	mono-constituent substance

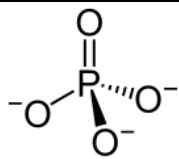
*This Substance Identification Profile (SIP) is developed to represent the Identification parameters of the substance described in line with the Substance Identification requirements of REACH Annex VI and relevant guidance for the purpose of identifying the registered substance and the provision of a 'boundary composition' for IUCLID 6 dossier updates.*

Reference	SI Parameter	Value / Not necessary / Not for SIP	Remark / Justification
2.1.A	<b>Name or other Identifiers of the substance</b>		
	CAS (hydrates)	15609-87-7	
	Synonyms	Monomagnesium Phosphate Monobasic Magnesium Phosphate	
	SMILES	[O-]P(=O)([O-])[O-].[O-]P(=O)([O-])[O-].[Mg+2]	
	Molecular formula	Mg(H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub> or H <sub>3</sub> O <sub>4</sub> P <sub>2</sub> .1/2Mg	
	Structural image / diagram (indicative)		
	EU food legislation number / INS n°	E343i	
	State / form	Solid: Particulate / Powder	
	Granulometry range	More than 95% of particle are <100µm in diameter	<p>Considered to pose an inhalation risk</p> <p>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</p>



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			is missing and a revision of the definition is expected, there is no way to confirm the status
	pH range for aqueous solutions	pH of 1% solution: 3.0 - 6.0 at 20.0±0.5°C	(dependant on nominal loading rate)
<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	Not applicable	
<b>2.3</b>	<b>Chemical Composition of the substance</b>		
<b>2.3.1</b>	<b>Main Constituent</b>		
	Name	Magnesium bis(dihydrogenorthophosphate)	
	Typical concentration (%w/w)	95%	
	Concentration range (%w/w)	80 - 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)	Magnesium hydrogenorthophosphate	
	CAS Number -Impurity (1)	7757-86-0	
	EC Number -Impurity (1)	231-823-5	
	Molecular Formula -Impurity (1)	MgHPO <sub>4</sub>	
	Typical concentration (%w/w) -Impurity (1)	<20%	
	Concentration range (%w/w) - Impurity (1)	> 0 < 20%	
	Relevant for classification and labelling?	N	
2.3.2.2	Name -Impurity (2)	Calcium bis(dihydrogenorthophosphate)	
	CAS Number -Impurity (2)	7758-23-8	
	EC Number -Impurity (2)	231-837-1	
	Molecular Formula -Impurity (2)		
	Typical concentration (%w/w) -Impurity (2)	< 1%	
	Concentration range (%w/w) - Impurity (2)	0 -10	
	Relevant for classification and labelling?	N	
2.3.2.3	Name -Impurity (3)	Calcium sulphate	
	CAS Number -Impurity (3)	7778-18-9	
	EC Number -Impurity (3)	231-900-3	
	Molecular Formula -Impurity (3)	CaH <sub>2</sub> O <sub>4</sub> S	



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	Typical concentration (%w/w) -Impurity (3)	< 1%	
	Concentration range (%w/w) - Impurity (3)	0 -10	
	Relevant for classification and labelling?	N	
2.3.2.3	Name -Impurity (3)	Orthophosphoric acid	
	CAS Number -Impurity (3)	7664-38-2	
	EC Number -Impurity (3)	231-633-2	
	Molecular Formula -Impurity (3)	H3O4P	
	Typical concentration (%w/w) -Impurity (3)	< 1%	
	Concentration range (%w/w) - Impurity (3)	< 1%	
	Relevant for classification and labelling?	N	
<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>		
	Not classified		
<b>2.5</b>	<b>Justification for deviation from substance identity rules</b>		
	not applicable		