

	<h2>Inorganic Phosphates REACH Consortium</h2>
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Version	<b>SUBSTANCE IDENTIFICATION PROFILE (SIP)</b>
v.3	
13/05/19	

No	1.1. Chemical Name	1.2. EC Number	1.3. CAS Number	1.4. Composition Type
IP33	Trimanganese bis(orthophosphate)	237-997-9	14154-09-7	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)	39041-31-1, 10236-39-2; 10124-54-6	
	Synonyms	Manganese(II) phosphate Manganese(2+) phosphate (3:2) Phosphoric acid, manganese(2+) salt (2:3); Manganese diphosphate; Manganese phosphate tribasic	
	SMILES	[O-]P(=O)([O-])[O-].[O-]P(=O)([O-])[O-].[Mn+2].[Mn+2].[Mn+2]	
	Molecular formula	Mn <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> ; H <sub>3</sub> O <sub>4</sub> P <sub>3</sub> /2Mn	
	Structural image / diagram (indicative)		
	EU food legislation number / INS n°	n/a	
	State / form	Solid: Particulate / Powder	
	Granulometry range	D50 = 6.9 μm	
	pH range for aqueous solutions	1% solution: pH 7.5 at 20°C, 10% solution: pH 7.3 at 20°C	
<b>2.1.B</b>	<b>Substances (with core identifiers) also falling under this substance (with justification)</b>		
	Name or other	Hureaulite;	



	Identifiers of the substance		
	EC Number		
	CAS number	14654-09-2	
	Additional information		
<b>2.3</b>	<b>Chemical Composition of the substance</b>		
<b>2.3.1</b>	<b>Main Constituent</b>		
	Name	Trimanganese bis(orthophosphate)	
	Typical concentration (%w/w)	>95%	
	Concentration range (%w/w)	>90 - <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)	Dimanganese diphosphate	
	CAS Number -Impurity (1)	13446-44-1	
	EC Number -Impurity (1)	236-596-6	
	Molecular Formula - Impurity (1)	H4O7P2.2Mn	
	Typical concentration (%w/w) -Impurity (1)	≤3%	
	Concentration range (%w/w) -Impurity (1)	0 – 10%	
	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>		
	Yes- See ECHA Chem website		
<b>2.5</b>	<b>Justification for deviation from substance identity rules</b>		
	not applicable		