

De : IP Consortium, ReachCentrum [<mailto:sief@sief.cccampaigns.net>]
Envoyé : mardi 6 décembre 2011 12:01
À :
Objet : REACH phosphates Sameness Proposals

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*From: the Inorganic Phosphate REACH Consortium
To all members of inorganic phosphate REACH SIEFs*

Object: Sameness proposals SIPs and Lead Registrants for inorganic phosphates for REACH Registration in 2013 Transport Classifications for all inorganic phosphates

Following our email of 13th March 2013, the Inorganic Phosphates (IP) Consortium is proceeding with preparation of 2013 REACH Registration dossiers (> 100 tonnes/year) for 18 inorganic phosphate substances.

This email submits to you **for comments the proposed SIP (Substance Identity Proposal) for these substances**, as attached. Please use this link [here](#).

- **You should now verify that your own substances as placed on the market are conform to the composition and impurity specifications and to the granulometry and pH ranges indicated in these SIPs.**

You should indicate to the IP Consortium **before 31st December 2011** any comments, corrections or points of these SIPs which you consider should be modified in order to cover your own products.

We remind you that if your products are not conform to the final SIP used for REACH Registration purposes, then your substances will not be covered by the submitted REACH Joint Registration Dossier and/or you will have to provide specific information or studies to demonstrate that your substances' properties do not modify the dossier conclusions.

We have also now put onto the Inorganic Phosphates Consortium website a table of proposed Classifications for inorganic phosphates substances: GHS Classifications (already communicated for harmonisation in 2010) and now also **UN Transport Classifications** (including for inorganic phosphate polymers). Please check this table at <http://www.reachcentrum.eu/EN/consortium-management/consortia-under-reach/ip-reach-consortium.aspx> and send us any comments.

We also remind you of the following other actions already indicated in our email of 13th March 2013:

- **You should indicate to us as soon as possible if there are other inorganic phosphate substances which you need to Register in 2013** and which are NOT included in the list below or in the substances for which the IP Consortium already prepared a dossier submitted in 2010, see <http://loashop.reachcentrum.eu>
- **If your company owns or knows of data or information relevant to the Registration of any of the substances listed in the attached SIPs** (literature, studies, worker or consumer health or exposure data, other information ...) please make this

known to us now: we remind you that it is your legal obligation under REACH to do this.

- The list of 2013 registrations below in this email **specifies the Lead Registrant** for each substance (some changes since our previous email). If you have any objection to these nominations, you should indicate this to the IP Consortium in writing by 31st December 2011. If no objections are received, we will consider that the proposed Lead Registrant is accepted by each substance SIEF.
- **If you wish to be more closely involved in preparation of the Registration Dossiers** for one or more of these substances, please contact the IP Consortium to discuss becoming a Member of the Consortium. Membership conditions are specified in the Inorganic Phosphates Consortium Agreement available at http://www.reachcentrum.eu/Documents/Document/20100315104531-IP_REACH_Consortium_Agreement_31-10-08_without_affiliates.pdf

For the IP Consortium (Inorganic Phosphates) Members:

Mark Meesters, Consortium Secretariat,

ReachCentrum, Avenue E. van Nieuwenhuyse 6, B-1160 Brussels, Belgium

IP Consortium website: <http://www.reachcentrum.eu/EN/consortium-management/consortia-under-reach/ip-reach-consortium.aspx>

Contact: ip@reachcentrum.eu

Updated list of IP substances for which Registrations will be prepared for 2013

IP N°	Chemical name	EINECS N°	Lead company	IP Registration date
6	Trisodium hydrogen diphosphate	238-735-6	TP	2013
8	Trisodium trimetaphosphate	232-088-3	BKG	2013 (intermed. 2010)
14	Tripotassium orthophosphate	231-907-1	Pr	2013
25	Calcium dihydrogenpyrophosphate	238-933-2	CFB	2013
26	Dicalcium pyrophosphate	232-221-5	CFB	2013
27	Iron orthophosphate	233-149-7	CFB	2011
28	Tetrairon tris(pyrophosphate)	233-190-0	CFB	2013
30	Trimagnesium bis(orthophosphate)	231-824-0	CFB	2013
31	Magnesium bis(dihydrogenorthophosphate)	236-004-6	TP	2018 (NOT in 2013)
57	Magnesium pyrophosphate	236-595-0	CFB	2013
34	Manganese bis(dihydrogen phosphate)	242-520-2	Ch	2013
35 = 61	Manganese hydrogen phosphates	233-341-0 257-147-0	Ch	2013
38	Copper-II-hydroxyphosphate	233-279-4	CFB	2013
40	Aluminium orthophosphate	232-056-9	HT	2013
41	Aluminium dihydrogen triphosphate	237-714-9	CFB	2013
43	Phosphoric acid, aluminium sodium salt	232-090-4	CFB	2013
44	Boron orthophosphate	236-337-7	CFB	2013
46	Pentapotassium pentasodium	246-156-5	TP	2013

	bis(triphosphate)			
62	Iron lithium boride phosphate	CAS 700375-31- 1	Pr	2013 New Substance

TP = Thermphos, BKG = BK Giulini ICP, CFB = Budenheim, Ch = Chemetall, Pr = Prayon, HT = Haldor Topsoe

** Classification is provisional and may be modified as a result of further studies carried out and information collected for 2013 registration dossier preparation*

Inorganic Phosphates Consortium Sameness Proposal

Background information for ALL SUBSTANCES

- *there is no need to reply to this email if you AGREE with the proposal (this is to avoid generating large numbers of unnecessary emails)*
- *if you do NOT agree with the proposals below, of if you have any comment, this must be sent by **DEADLINE 31st December 2011** (in order to enable progress with dossier preparation to conform with REACH deadlines)*

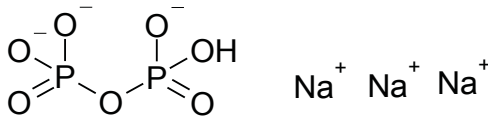
Definition of substance sameness
<i>For all IP substances</i>
The Registration Dossier prepared, and in particular the hazard assessments will address the pure substance, but will also cover the substance (as placed on the market) if and only if purity and impurities conform to the levels indicated in each specific proposal.
These ranges of purity / impurities will be specified in the common part of the IUCLID dossier (non-confidential part of the Joint Registration submission, IUCLID \$4 – Physical and chemical properties – Endpoint summary) and for Classified Substances in the Substance Composition section (1.2) of the CSR (a model CSR will be provided by the IP Consortium, but is to be submitted separately by each Registrant)
Each registrant will further have to specify separately the impurities in their own product, in the company-specific (confidential) part of their Registration submission (IUCLID \$1.2).
If a Registrant's substance does not conform to these specifications then the Registrant will have to justify that the differences do not modify the IUCLID 5 (and CSR conclusions for Classified Substances) and do not require a different Classification and Labelling or different exposure scenarios. In this case, this information must be provided in the company specific (confidential) registration dossier, and may result in additional Fees being payable to ECHA.

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IP 6: Trisodium hydrogen diphosphate (T3SPP)

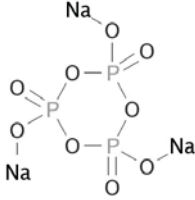
Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	238-735-6	
Other EC numbers considered to be the same substance		
EC name	Trisodium hydrogen diphosphate	
Synonyms	Trisodium pyrophosphate	
CAS number (s)	14691-80-6, 26573-04-6 (monohydrate), 16457-94-6 (nonahydrate)	
SMILES	OP(=O)([O-])OP(=O)([O-])[O].[Na+].[Na+].[Na+]	
EU food legislation number / INS n°	E450ii	
Molecular formula (or formulae)	H ₄ O ₇ P ₂ .3Na	
Structure image or diagram (indicative)		
Molecular weight (or range)	244	
Essential substance properties		
Granulometry range –	≥50% of particles have a diameter of <100 µm. Considered to pose an inhalation risk.	
pH range for aqueous solution	pH of 1% solution: pH 6.5-7.5 at 20°C	
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
GENERIC COMPOSITION (please provide additional information in fields below if your substance does not conform): Substance >80% purity The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water): <ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties All hazardous impurities are < 0.1%		
Purity	Typical purity of substance	93 %
	Lower content	85 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	Disodium dihydrogen diphosphate 231-835-0	< 5 %
	Tetrasodium diphosphate 231-767-1	< 5 %
	Pentasodium triphosphate 231-838-7	< 5 %
	Monosodium phosphate 231-449-2	< 5 %
	<i>Add additional lines where required</i>	
All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties		
Hazardous impurities other than those mentioned above (where applicable)		<0.1%

IP8: Trisodium trimetaphosphate (STMP)

Substance sameness proposal v5

Comments incorporated in this version: BKG (16/06, 29/08), Budenheim (22/08, 29/08),

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	232-088-3	
Other EC numbers considered to be the same substance		
EC name	trisodium trimetaphosphate	
Synonyms	sodium trimetaphosphate	
CAS number (s)	7785-84-4	
SMILES	[O-]P1(=O)OP(=O)(OP(=O)(O1)[O-])[O-].[Na+].[Na+].[Na+]	
EU food legislation number / INS n°		
Molecular formula (or formulae)	H ₃ O ₉ P ₃ .3Na or O ₉ P ₃ .3Na	
Structure image or diagram (indicative)		
Molecular weight (or range)	306- 309	
Essential substance properties		
Granulometry range –	Less than 7% of particles are < 100µm in diameter. Not considered to pose an inhalation risk.	
pH range for aqueous solution	pH of 1% Solution: pH 6.0 – 9.0 at 20.0°C	
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
GENERIC COMPOSITION (please provide additional information in fields below if your substance does not conform):		
Substance >80% purity		
The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):		
<ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties 		
All hazardous impurities are < 0.1%		
Purity	Typical purity of substance	97.0 %
	Lower content	95.0 %
	Higher content	100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	Sodium tripolyphosphate, STPP ; EINECS 231-838-7	0-5%
	<i>Add additional lines where required</i>	
	All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties	
	Hazardous impurities other than those mentioned above (where applicable)	<0.1%

IP14: Tripotassium orthophosphate (TKP)

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	231-907-1	
Other EC numbers considered to be the same substance		
EC name	tripotassium orthophosphate	
Synonyms		
CAS number (s)	7778-53-2 (anhydrous), 27176-10-9, 22763-03-7, 22763-02-6, 78436-05-2	
SMILES	[O-]P(=O)([O-])[O-].[K+].[K+].[K+]	
EU food legislation number / INS n°	E340iii	
Molecular formula (or formulae)	H3O4P.3K	
Structure image or diagram (indicative)		
Molecular weight (or range)	214	
Essential substance properties		
Granulometry range –	More than 50 % of particles are < 100µm in diameter. Considered to pose an inhalation risk.	
pH range for aqueous solution	pH of 1% solution: pH 11.5 – 12.3 at 20°C	
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
GENERIC COMPOSITION (<i>please provide additional information in fields below if your substance does not conform</i>):		
Substance >80% purity		
The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):		
<ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties 		
All hazardous impurities are < 0.1%		
Purity	Typical purity of substance	93 %
	Lower content	90 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	Dipotassium orthophosphate, DKP, EINECS number 231-834-5	< 5 %
	Dipotassium carbonate, K ₂ CO ₃ , EINECS number 209-529-3	< 5 %
	Tetrapotassium pyrophosphate, TKPP, EINECS number 230-785-7	< 2 %
	<i>Add additional lines where required</i>	
All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties		
Hazardous impurities other than those mentioned above (where applicable)		<0.1%

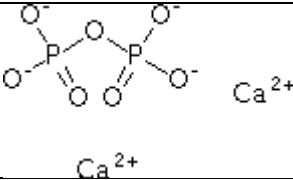
IP25: Calcium dihydrogenpyrophosphate (CAPP)

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	238-933-2	
Other EC numbers considered to be the same substance		
EC name	Calcium dihydrogenpyrophosphate	
Synonyms	Calcium Dihydrogen Diphosphate Calcium Acid Pyrophosphate	
CAS number (s)	14866-19-4	
SMILES	OP(=O)(O)OP(=O)(O)O.[Ca+2]	
EU food legislation number / INS n°	E450vi	
Molecular formula (or formulae)	CaH ₂ P ₂ O ₇ or Ca.H ₄ O ₇ P ₂	
Structure image or diagram (indicative)		
Molecular weight (or range)	216-218	
Essential substance properties		
Granulometry range –	More than 90 % of particles are < 100µm in diameter. Considered to pose an inhalation risk.	
pH range for aqueous suspension	pH of a 10% suspension: pH 2.5 – 3.5 at 20.0°C	
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
<p>GENERIC COMPOSITION (please provide additional information in fields below if your substance does not conform):</p> <p>Substance >80% purity</p> <p>The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):</p> <ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties <p>All hazardous impurities are < 0.1%</p>		
Purity	Typical purity of substance	95 %
	Lower content	90 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	Monocalcium phosphate 231-837-1	< 10 %
	<i>Add additional lines where required</i>	
	All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties	
	Hazardous impurities other than those mentioned above (where applicable)	<0.1%

IP26: Dicalcium pyrophosphate (CPP)

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	232-221-5	
Other EC numbers considered to be the same substance		
EC name	Dicalcium pyrophosphate	
Synonyms	calcium pyrophosphate	
CAS number (s)	790-776-3	
SMILES	[O-]P(=O)([O-])OP(=O)([O-])[O-].[Ca+2].[Ca+2]	
EU food legislation number / INS n°	E450vii	
Molecular formula (or formulae)	Ca ₁ /2H ₄ O ₇ P ₂ or Ca ₂ O ₇ P ₂	
Structure image or diagram (indicative)		
Molecular weight (or range)	254	
Essential substance properties		
Granulometry range –	More than 99 % of particles are < 100µm in diameter. Considered to pose an inhalation risk.	
pH range for aqueous solution	pH of a 10% aqueous suspension: pH 6.0 – 8.0 at 20.0 ± 0.5°C	
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
GENERIC COMPOSITION (please provide additional information in fields below if your substance does not conform):		
Substance >80% purity		
The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):		
<ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties 		
All hazardous impurities are < 0.1%		
Purity	Typical purity of substance	98 %
	Lower content	95 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	Calcium hydrogenphosphate 231-826-1	< 5 %
	<i>Add additional lines where required</i>	
	All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties	
	Hazardous impurities other than those mentioned above (where applicable)	<0.1%

IP27: Iron orthophosphate (FeP)

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	233-149-7	
Other EC numbers considered to be the same substance		
EC name	Iron orthophosphate	
Synonyms	Ferric (III) orthophosphate	
CAS number (s)	10045-86-0	
SMILES	[O-]P(=O)([O-])[O-].[Fe+3]	
EU food legislation number / INS n°	N/A	
Molecular formula (or formulae)	Fe.H3O4P	
Structure image or diagram (indicative)		
Molecular weight (or range)	154	
Essential substance properties		
Granulometry range –	More than 99 % of particles are < 100µm in diameter. Considered to pose an inhalation risk.	
pH range for aqueous solution	pH 3.3 to 6 at 20.0 ± 0.5°C	
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
<p>GENERIC COMPOSITION (<i>please provide additional information in fields below if your substance does not conform</i>):</p> <p>Substance >80% purity</p> <p>The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):</p> <ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties <p>All hazardous impurities are < 0.1%</p>		
Purity	Typical purity of substance	95 %
	Lower content	90 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	FeO(OH) Goethite EINECS number: 243-746-4	<5%
	Silica (SiO ₂) EINECS number: 238-878-4	<6%
	<i>Add additional lines where required</i>	
<p>All other impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties</p>		
Hazardous impurities other than those mentioned above (where applicable)		<0.1%

IP28: Tetrairon tris(pyrophosphate) (FePP)

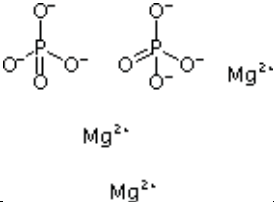
Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	233-190-0	
Other EC numbers considered to be the same substance		
EC name	tetrairon tris(pyrophosphate)	
Synonyms	Ferric (III) pyrophosphate	
CAS number (s)	10058-44-3	
SMILES	[O-]P(=O)([O-])OP(=O)([O-])[O-].[O-]P(=O)([O-])OP(=O)([O-])[O-].[O-]P(=O)([O-])OP(=O)([O-])[O-].[Fe+3].[Fe+3].[Fe+3].[Fe=3]	
EU food legislation number / INS n°	N/A	
Molecular formula (or formulae)	Fe ₃ /4H ₄ O ₇ P ₂ or Fe ₄ O ₂ 1P ₆	
Structure image or diagram (indicative)		
Molecular weight (or range)	745	
Essential substance properties		
Granulometry range	More than 99 % of particles are < 100µm in diameter. Considered to pose an inhalation risk.	
pH range for aqueous solution	pH 3.4 to 3.5 at 20.0 ± 0.5°C	
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
GENERIC COMPOSITION (please provide additional information in fields below if your substance does not conform):		
Substance >80% purity		
The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):		
<ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties 		
All hazardous impurities are < 0.1%		
Purity	Typical purity of substance	99.5 %
	Lower content	99 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	<i>Add additional lines where required</i>	
	All other impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties	
	Hazardous impurities other than those mentioned above (where applicable)	<0.1%

IP30: Trimagnesium bis(orthophosphate) (TMP)

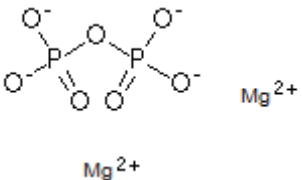
Substance sameness proposal v5

Comments incorporated in this version: Budenheim (22/08)

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	231-824-0	
Other EC numbers considered to be the same substance		
EC name	Trimagnesium bis(orthophosphate)	
Synonyms	Trimagnesium phosphate Tribasic magnesium phosphate	
CAS number (s)	7757-87-1	
SMILES	[O-]P(=O)([O-])[O-].[O-]P(=O)([O-])[O-].[Mg+2].[Mg+2].[Mg+2]	
EU food legislation number / INS n°	INS 343 iii	
Molecular formula (or formulae)	Mg ₃ (PO ₄) ₂ or H ₃ O ₄ P ₂ .3/2Mg or Mg ₃ O ₈ P ₂	
Structure image or diagram (indicative)		
Molecular weight (or range)	262	
Essential substance properties		
Granulometry range –	More than 95 % of particles are < 100µm in diameter. Considered to pose an inhalation risk.	
pH range for aqueous solution	pH 8.2 to 8.8 at 20.0 ± 0.5°C	
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
GENERIC COMPOSITION (please provide additional information in fields below if your substance does not conform):		
Substance >80% purity		
The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):		
<ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties 		
All hazardous impurities are < 0.1%		
Purity	Typical purity of substance	99 %
	Lower content	95 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	Magnesium hydrogenphosphate 231-823-5	< 5 %
	Tricalcium phosphate 215-145-7	< 2 %
	Dicalcium phosphate 231-826-1	< 2 %
	<i>Add additional lines where required</i>	
	All other impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties	
	Hazardous impurities other than those mentioned above (where applicable)	<0.1%

IP57: Magnesium pyrophosphate

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	236-595-0	
Other EC numbers considered to be the same substance		
EC name	Magnesium pyrophosphate	
Synonyms		
CAS number (s)	13446-24-7	
SMILES	[O-]P(=O)([O-])OP(=O)([O-])[O-].[Mg+2].[Mg+2]	
EU food legislation number / INS n°	N/A	
Molecular formula (or formulae)	H4O7P2.2Mg	
Structure image or diagram (indicative)		
Molecular weight (or range)	222-223	
Essential substance properties		
Granulometry range –	[unknown – no granulometry data available]	
pH range for aqueous solution	pH 7.4 to 7.6 at 20.0 ± 0.5°C	
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
<p>GENERIC COMPOSITION (please provide additional information in fields below if your substance does not conform):</p> <p>Substance >80% purity</p> <p>The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):</p> <ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties <p>All hazardous impurities are < 0.1%</p>		
Purity	Typical purity of substance	95 %
	Lower content	90 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	Magnesium phosphate	< 10 %
	<i>Add additional lines where required</i>	
	All other impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties	
	Hazardous impurities other than those mentioned above (where applicable)	<0.1%


IP34: manganese bis(dihydrogen phosphate) (MMangP)

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	242-520-2	
Other EC numbers considered to be the same substance		
EC name	Manganese bis(dihydrogen phosphate)	
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	
CAS number (s)	18718-07-5	
SMILES	[O-]P(=O)([O-])[O-].[O-]P(=O)([O-])[O-].[Mn+2]	
EU food legislation number / INS n°	N/A	
Molecular formula (or formulae)	H3O4P.1/2Mn or MnO8P2 or H4MnO8P2	
Structure image or diagram (indicative)		
Molecular weight (or range)	249 (anhydrous) or 285(dihydrate) or 321(tetrahydrate)	
Granulometry range –	Less than 2% of particles are < 100µm in diameter. Considered not to pose an inhalation risk.	
pH range for aqueous solution	1% solution: pH 3.0 – 4.0 at 20.0 ± 0.5°C	
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
GENERIC COMPOSITION (please provide additional information in fields below if your substance does not conform):		
Purity	Typical purity of substance	99,5 %
	Lower content	99 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	Phosphoric acid	Max 1%
	<i>Add additional lines where required</i>	
	All other impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties	
	Hazardous impurities other than those mentioned above (where applicable)	<0.1%

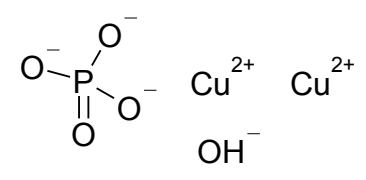
IP35 (= IP61) : manganese hydrogen phosphate (DmangP)

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	257-147-0	
Other EC numbers considered to be the same substance	233-341-0	
EC name	Manganese hydrogen phosphate	
Synonyms	Manganese orthophosphate Manganese (2+) phosphate Manganous phosphate Phosphoric acid, manganese salt Phosphoric acid, manganese salt (1:?)	
CAS number (s)	51349-94-1 and 10124-54-6	
SMILES	[Mn+2].[O-]P(=O)([O-])[O-]	
EU food legislation number / INS n°		
Molecular formula (or formulae)	MnO4P or H3O4P.Mn (hydrate)	
Structure image or diagram (indicative)		
Molecular weight (or range)	150 (anhydrous) or 186 (dihydrate)	
Granulometry range –		
		> 80% of particles are < 100µm in diameter. Considered to pose an inhalation risk.
pH range for 1% aqueous solution		
		1% solution: pH 4.0-5.5 at 20.0 ± 0.5°C
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
GENERIC COMPOSITION		
(please provide additional information in fields below if your substance does not conform):		
Purity	Typical purity of substance	99,5 %
	Lower content	99 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	<i>Add additional lines where required</i>	
	All other impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties	
	Hazardous impurities other than those mentioned above (where applicable)	<0.1%

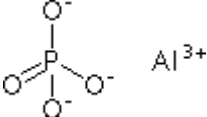
IP38: Dicopper hydroxide phosphate (CuHP)

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	235-285-2	
Other EC numbers considered to be the same substance		
EC name	Dicopper hydroxide phosphate	
Synonyms		
CAS number (s)	12158-74-6	
SMILES	[OH-].[O-]P(=O)([O-])[O-].[Cu+2].[Cu+2]	
EU food legislation number / INS n°	N/A	
Molecular formula (or formulae)	Cu ₂ HO ₅ P or Cu ₂ HO ₅ P	
Structure image or diagram (indicative)		
Molecular weight (or range)	240	
Granulometry range –		
More than 90% of particles are < 100µm in diameter. Considered to pose an inhalation risk.		
pH range for aqueous solution		
pH 5.3 to 5.7 at 20.0 ± 0.5°C		
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
<p>GENERIC COMPOSITION (please provide additional information in fields below if your substance does not conform):</p> <p>Substance >80% purity</p> <p>The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):</p> <ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties <p>All hazardous impurities are < 0.1%</p>		
Purity	Typical purity of substance	99 %
	Lower content	98 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	Copper hydroxide 243-815-9	< 2 %
	Tricopper phosphate 232-254-5	< 2 %
	<i>Add additional lines where required</i>	
	All other impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties	
Hazardous impurities other than those mentioned above (where applicable)		<0.1%

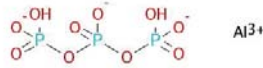
IP40: aluminium orthophosphate(TALP)

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)		232-056-9
Other EC numbers considered to be the same substance		
EC name		Aluminium orthophosphate
Synonyms		Tribasic aluminium phosphate
CAS number (s)		7784-30-7, 22784-12-9 (trihydrate)
SMILES		[O-]P(=O)([O-])[O-].[Al+3]
EU food legislation number / INS n°		N/A
Molecular formula (or formulae)		Al.H3O4P
Structure image or diagram (indicative)		
Molecular weight (or range)		125
Granulometry range –		Ca. 100% of particles are < 100µm in diameter. Considered to pose an inhalation risk.
pH range for aqueous solution		pH 4 – 7
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
GENERIC COMPOSITION (<i>please provide additional information in fields below if your substance does not conform</i>):		
Substance >80% purity		
The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):		
<ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties 		
All hazardous impurities are < 0.1%		
Purity	Typical purity of substance	98 %
	Lower content	96 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	<i>Add additional lines where required</i>	
All other impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties		
Hazardous impurities other than those mentioned above (where applicable)		<0.1%


IP41: Aluminium dihydrogen triphosphate (AITPP)

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	237-714-9	
Other EC numbers considered to be the same substance		
EC name	Aluminium dihydrogen triphosphate	
Synonyms	Aluminium tripolyphosphate	
CAS number (s)	13939-25-8	
SMILES	[O-]P(=O)([O-])OP(=O)([O-])OP(=O)([O-])[O-].[Al+3]	
EU food legislation number / INS n°		
Molecular formula (or formulae)	Al.H5O10P3 or AlO10P2 ⁻³	
Structure image or diagram (indicative)		
Molecular weight (or range)	245	
Granulometry range –		
		More than 90% of particles are < 100µm in diameter. Considered to pose an inhalation risk.
pH range for aqueous solution		
		pH 4.0 at 20.0 ± 0.5°C
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
GENERIC COMPOSITION (please provide additional information in fields below if your substance does not conform):		
Substance >80% purity		
The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):		
<ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties 		
All hazardous impurities are < 0.1%		
Purity	Typical purity of substance	99.5 %
	Lower content	99 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	<i>Add additional lines where required</i>	
	All other impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties	
	Hazardous impurities other than those mentioned above (where applicable)	<0.1%

IP43: phosphoric acid, aluminium sodium salt (SALP)

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)		232-090-4
Other EC numbers considered to be the same substance		
EC name		Phosphoric acid, aluminium sodium salt
Synonyms		Sodium aluminium phosphate 1:3:8 Sodium aluminium phosphate 3:2:8 Sodium aluminium phosphate
CAS number (s)		7785-88-8
SMILES		[O-]P(=O)([O-])[O-].[Na+].[Al+3]
EU food legislation number / INS n°		E541
Molecular formula (or formulae)		Al.xH3O4P.xNa
Structure image or diagram (indicative)		
Molecular weight (or range)		Ca. 145
Granulometry range –		
		More than 80% of particles are < 100µm in diameter. Considered to pose an inhalation risk.
pH range for aqueous solution		
		SALP 1:3:8 – pH range: pH 2.0 - 2.7 SALP 3:2:8 – pH range: pH 2.4 – 2.8
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
GENERIC COMPOSITION (please provide additional information in fields below if your substance does not conform):		
Substance >80% purity		
The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):		
<ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties 		
All hazardous impurities are < 0.1%		
Purity	Typical purity of substance	95 %
	Lower content	93 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	Sodium aluminium diphosphate 233-680-4	< 7 %
	<i>Add additional lines where required</i>	
	All other impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties	
	Hazardous impurities other than those mentioned above (where applicable)	<0.1%

IP44: boron orthophosphate (BOP)

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)		236-337-7
Other EC numbers considered to be the same substance		
EC name		Boron orthophosphate
Synonyms		
CAS number (s)		13308-51-5
SMILES		B12OP(=O)(O1)O2
EU food legislation number / INS n°		N/A
Molecular formula (or formulae)		BO4P
Structure image or diagram (indicative)		
Molecular weight (or range)		106
Granulometry range –		
		More than 70% of particles are < 100µm in diameter. Considered to pose an inhalation risk.
pH range for aqueous solution		
		pH 3.1 to 3.5 at 20.0 ± 0.5°C
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
<p>GENERIC COMPOSITION (please provide additional information in fields below if your substance does not conform):</p> <p>Substance >80% purity</p> <p>The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):</p> <ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties <p>All hazardous impurities are < 0.1%</p>		
Purity	Typical purity of substance	98 %
	Lower content	97 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	diboron trioxide 215-125-8	< 3 %
	<i>Add additional lines where required</i>	
<p>All other impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties</p>		
Hazardous impurities other than those mentioned above (where applicable)		<0.1%

IP46: pentapotassium pentasodium bis(triphosphate) (SKTP)

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)	246-156-5	
Other EC numbers considered to be the same substance		
EC name	pentapotassium pentasodium bis(triphosphate)	
Synonyms	Sodium potassium tripolyphosphate	
CAS number (s)	24315-83-1	
SMILES		
EU food legislation number / INS n°	N/A	
Molecular formula (or formulae)	(Na.K)5 P3O10 or H5O10P3.5/2K.5/2Na or Na5K5(P3O10)2 (ratios of Na and K may vary)	
Structure image or diagram (indicative)		
Molecular weight (or range)	816	
Granulometry range –	Ca. 6% of particles are < 100µm in diameter. Considered not to pose an inhalation risk.	
pH range for aqueous solution	pH 9.3 – 10.5	
Purity and impurities		
(in all cases, expressed as % dry weight, that is excluding water):		
GENERIC COMPOSITION (please provide additional information in fields below if your substance does not conform):		
Substance >80% purity		
The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):		
<ul style="list-style-type: none"> All impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties 		
All hazardous impurities are < 0.1%		
Purity	Typical purity of substance	95 %
	Lower content	90 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	Tetrasodium diphosphate 231-767-1	< 5 %
	Tetrapotassium diphosphate 230-785-7	< 5 %
	<i>Add additional lines where required</i>	
	All other impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties	
	Hazardous impurities other than those mentioned above (where applicable)	<0.1%

IP62: Iron lithium boride phosphate

Substance sameness proposal v5

Substance identification		
Type of substance	Composition	mono-constituent
	Origin	inorganic
Reference EC number (s)		Not applicable (New Substance)
Other EC numbers considered to be the same substance		
EC name		Iron lithium boride phosphate
Synonyms		
CAS number (s)		7000375-31-1
SMILES		
EU food legislation number / INS n°		N/A
Molecular formula (or formulae)		Fe _{0.95} LiB _{0.03} (PO ₄)
Structure image or diagram (indicative)		
Molecular weight (or range)		158
Granulometry range		
		100% <100µm (inhalation risk)
pH range for aqueous solution <i>(specify molar concentration/s for pH/s given)</i>		7.4 (100g/l @ 20°C)
Purity and impurities (in all cases, expressed as % dry weight, that is excluding water):		
<p>GENERIC COMPOSITION <i>(please provide additional information in fields below if your substance does not conform):</i></p> <p>The main impurities are conform to the following limits (in all cases, expressed as % dry weight, that is excluding water):</p>		
Purity	Typical purity of substance	97 - 98 %
	Lower content	95 %
	Higher content	c. 100 %
Impurities in the substance	The substance may contain the following impurities, derived from the production process, each one present at the concentrations indicated below :	
	Carbon (as a coating) #CAS 1333-86-4 #EINECS 215-609-9	< 3 %
	All other impurities > 1% are other inorganic phosphates or other related inorganic substances, similar to the Registered substance, and which do not significantly affect its toxicological and ecotoxicological properties	
	Hazardous impurities	<0.1%

IP conclusions / proposals for CLP (GHS) and Transport Classification

29 November 2011

*NOTE: Current = Final for the moment. May be revised in post 2010 subsequent to testing required for REACH < 1000 tonnes

IP	SUBSTANCE	EINCES	IP C&L conclusion or proposal	Summary of effects	Basis for classification	Transport Classification	Proposal status
2	Sodium dihydrogenorthophosphate	231-449-2	No classification			Not classified	Final
3	Disodium hydrogenorthophosphate	231-448-7	No classification			Not classified	Final
4	Trisodium phosphate	231-509-8	GHS07: Warning 3.2/2 3.3/2 3.8/3 H 315, H 319, H 335 P 261 P 280 P 302+352 P 305+351+338 P 337+313 P 332+313	IRRITATING TO EYES (cat 2)	Based on study data	Not classified	Final
				IRRITATING TO SKIN (cat 2)	Based on workplace information (classification has come from consortium members, study data suggests no classification)		
				IRRITATING TO RESPIRATORY TRACT (cat 3)	Based on workplace information (classification has come from consortium members)		
5	Sodium pyrophosphate	231-835-0	GHS07: Warning 3.3/2 H319 P264 P280 P305 + P351 + P338 P337 + P313	IRRITATING TO EYES (cat 2)	Based on study data	Not classified	Final
6	Trisodium pyrophosphate	238-735-6	No classification				Current*
7	Tetrasodium pyrophosphate	231-767-1	GHS07 (acute oral toxicity) GHS05 (corrosive) signal	ACUTELY TOXIC VIA THE ORAL ROUTE (cat 4)	Based on study data.	Not classified	Final

IP	SUBSTANCE	EINCES	IP C&L conclusion or proposal	Summary of effects	Basis for classification	Transport Classification	Proposal status
			word: Danger 3.3 (corrosive to eyes) cat. 1 3.1.0 (acute oral tox) cat. 4 H318 H302 P280 P264 P305 + P351 + P338 P310 P270 P301+312 P330	CORROSIVE TO EYES	Based on study data.		
8	Sodium trimetaphosphate	232-088-3	No classification			Not classified	Final
10	Sodium metaphosphate	233-343-1	No classification			Not classified	Final
12	Potassium dihydrogenorthophosphate	231-913-4	No classification			Not classified	Final
13	Dipotassium hydrogenorthophosphate	231-834-5	No classification			Not classified	Final
14	Tripotassium orthophosphate	231-907-1	GHS07: Warning 3.2/2 3.3/2 3.8/3 H 315, H 319, H 335 P 261 P 280 P 302+352 P 305+351+338 P 337+313 P 332+313	IRRITATING TO EYES (cat 2)	based on proposal from IP consortium members (test data is contradictory)	Not Classified	Current*
				IRRITATING TO SKIN (cat 2)	Based on proposal from IP members (study data is contradictory)		
				IRRITATING TO RESPIRATORY TRACT (cat 3)	Based on workplace information (classification has come from consortium members)		
55	Phosphoric acid, potassium salt (2:1)	238-961-5	GHS07 Warning 3.2/2 H319 P264, P280 P305+351+338 P337+313	IRRITATING TO EYES (cat 2)	Based on study data.	Not classified	Final

IP	SUBSTANCE	EINCES	IP C&L conclusion or proposal	Summary of effects	Basis for classification	Transport Classification	Proposal status
15	Tetrapotassium pyrophosphate	230-785-7	GHS07: Warning 3.3 Cat 2 H 319 P280, P305 + P351 + P338 P 337 + P313	IRRITATING TO EYES (cat 2)	Based on study data.	Not classified	Final
16	Potassium triphosphosphate Powder form	237-574-9	No Classification	Solution pH 11.0		Not classified	Final
				Solution pH 9.9: No classification Solution pH 11.0 - 11.4: GHS05 Warning 3.2/2, 3.3/2, 2.16/1 H 315, H 319, H 290 Solution pH >=11.5 : GHS05 Danger 3.2/1c, 3.3/1, 2.16/1 H 314, H 290	Based on consortium member data. Based on proposal from consortium member. Based on proposal from consortium member	Solutions pH < 11.5 : Not Classified Solutions pH ≥11: UN number: 3266 UN Proper shipping name: CORROSIVE LIQUID, BASIC, INORGANIC n.o.s (Potassium triphosphat e) Hazard class: 8 Packing group: III	Final
21	Calcium bis (dihydrogenorthophosphate) = MCP	231-837-1	GHS05: Danger 3.3/1 H318 P280 P305 + P351 + P338 P310	CORROSIVE TO EYES (cat 1)	Based on study data.	Not classified	Final
22	Calcium hydrogenorthophosphate = DCP	231-826-1	No Classification			Not classified	Final
23	Tricalcium bis(orthophosphate)	231-840-8	No classification			Not classified	Final

IP	SUBSTANCE	EINCES	IP C&L conclusion or proposal	Summary of effects	Basis for classification	Transport Classification	Proposal status
60	MDCP (MCP-DCP Reaction Mass)	233-283-6	GHS05: Danger 3.3/1 H318 P280 P305 + P351 + P338 P310	CORROSIVE TO EYES (cat 1)	Based on study data.	Not classified	Final
24	Pentacalcium hydroxide tris(orthophosphate) = Hydroxylapatite = Tricalcium phosphate	235-330-6 (270-423-5, 215-145-7)	No classification			Not classified	Final
25	Calcium dihydrogenpyrophosphate	238-933-2	No classification			Not Classified	Current*
26	Dicalcium pyrophosphate	232-221-5	No classification			Not Classified	Current *
27	Iron orthophosphate	233-149-7	No classification			Not Classified	Current*
28	Tetrairon tris(pyrophosphate)	233-190-0	No classification			Not Classified	Current*
29	Magnesium hydrogenorthophosphate	231-823-5	No classification			Not classified	Final
30	Trimagnesium bis(orthophosphate)	231-824-0	No classification			Not Classified	Current*
31	Magnesium bis(dihydrogenorthophosphate)	236-004-6	No classification			Not classified	Current*
33	Trimanganese bis(orthophosphate)	237-997-9	No classification				Current*
34	Manganese bis(dihydrogen phosphate)	242-520-2	No classification				Current*
35	Manganese hydrogen phosphate	257-147-0	No classification			Not classified	Current*
57	Magnesium pyrophosphate	236-595-0	No classification			Not classified	Current*
58	Magnesium dihydrogenpyrophosphate	244-016-8	No classification			Not classified	Current*
36	Tricopper bis(orthophosphate)	232-254-5	Hazardous to the aquatic environment, chronic toxicity. Hazard category 3 (pictogram code: not applicable) Signal word: not applicable H 412 P 273	HAZARDOUS TO THE AQUATIC ENVIRONMENT (cat 3)	Based on proposal from consortium member.	Not classified	Current*

IP	SUBSTANCE	EINCES	IP C&L conclusion or proposal	Summary of effects	Basis for classification	Transport Classification	Proposal status
37	copper (II)-pyrophosphate	233-279-4	GHS09 : Signal word: not applicable 4.1.Chronic Cat 2 H 411 P273	HAZARDOUS TO THE AQUATIC ENVIRONMENT (cat 2)	Based on proposal from consortium member.	UN 3077 ENVIRONMEN TALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (copper (II)-pyrophosphate)	Current*
37 B	Dicopper pyrophosphate	239-250-2	GHS09 : Signal word: not applicable 4.1.Chronic Cat 2 H 411 P273	HAZARDOUS TO THE AQUATIC ENVIRONMENT (cat 2)	Based on proposal from consortium member.	*Likely to be classified as class 9 due to Aquatic 2 and lack of other classification – companies to confirm.	Current*
38	Dicopper hydroxide phosphate	235-285-2	Hazardous to the aquatic environment, chronic toxicity. Hazard category 3 (pictogram code: not applicable) Signal word: not applicable GHS07: warning 3.1.0 (acute oral tox) cat. 4 H 412, H302 P 273, P264, P270	HAZARDOUS TO THE AQUATIC ENVIRONMENT (cat 3) ACUTE ORAL TOXICITY (cat 4)	Based on proposal from consortium member. Acute tox based on study report provided by Lead Registrant.	Not classified	Current*
39	Monobasic aluminium phosphate	236-875-2	GHS05: Danger 3.3/1 H318 P280 P305 + 351 + 338 P310	CORROSIVE TO EYES (cat 1)	Based on study data.	Not classified	Final
40	Aluminium orthophosphate	232-056-9	No classification				Current*

IP	SUBSTANCE	EINCES	IP C&L conclusion or proposal	Summary of effects	Basis for classification	Transport Classification	Proposal status
41	Aluminium dihydrogen triphosphate	237-714-9	GHS07: Warning Skin Irritation 3.2/2 Eye Irritation 3.3/2 H 315 H 319 P 280 P 302 + P 352 P 305 + P 351 + P 338 P 337 + P 313 P 332+P313	IRRITATING TO EYES (cat 2) IRRITATING TO SKIN (cat 2)	Based on proposal from Consortium Member because of the pH 2 - 3	Not Classified	Current*
43	Sodium aluminium phosphate (SALP)	3:2:8	No classification			Not Classified	Current*
		1:3:8	GHS05: Danger 3.3/1 H318 P280 P305 + P351 + P338 + P310	CORROSIVE TO EYES (cat 1)	Based on study data.	Not Classified	
44	Boron orthophosphate	BOP. H2O	3.2/2 3.3/2 GHS07: Warning H315, H319	IRRITATING TO EYES/SKIN (cat 2)		Not classified	Current*
		BOP	No classification			Not classified	
46	Sodium potassium tripolyphosphate	246-156-5	No classification			Not classified	Final
47	Disodium fluorophosphate	233-433-0 (231-522-2)	GHS07: Warning 3.1.O/4 H302 P 301+312 P330	ACUTELY TOXIC VIA THE ORAL ROUTE (cat 4)	Based on study data	Not classified	Final

IP	SUBSTANCE	EINCES	IP C&L conclusion or proposal	Summary of effects	Basis for classification	Transport Classification	Proposal status
48	Phosphoric acid	231-633-2	GHS05: Danger Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 %	CORROSIVE TO SKIN (cat 1B) [Also classified for eye irritation ; this is not included as a separate classification as a substance classified for skin corrosion is considered to also cause serious eye damage and no labelling is required ref. Guidance on the application of Regulation (EC) No. 1272/2008]]	It is proposed to not engage for the moment the procedure to modify this.	Phosphoric acid >20%: UN No. 1805 UN Proper shipping name: PHOSPHORIC ACID, SOLUTION Hazard class: 8 Packing group: III Phosphoric acid <20%: Not classified	Final Classification and Labelling already harmonised by CLP Regulation Annex VI.
56	Ammonium magnesium orthophosphate = struvite	232-075-2	Not classified			Not classified	Current*
Polymers							
9	Polyphosphoric acids, sodium salts	272-808-3	Not classified				Final
11	Grahams salt	233-782-9	Not classified				Final
17	Potassium metaphosphate	232-212-6 273-317-7	Not classified				Final
20	Polyphosphoric acids, ammonium salts	269-789-9	Not classified				Final
32	Magnesium dimetaphosphate	237-000-7	Not classified				Final
42	Aluminium metaphosphate	237-415-3	Not classified				Final
45	Sodium calcium polyphosphate	245-490-9 233-782-9	Not classified				Final
49	Polyphosphoric acid(s)	232-417-0	Same classification as phosphoric acid			UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Polyphosphoric acid)	Final

IP	SUBSTANCE	EINCES	IP C&L conclusion or proposal	Summary of effects	Basis for classification	Transport Classification	Proposal status
50	Pyrophosphoric acid(s)	219-574-0	Same classification as phosphoric acid			UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Pyrophosphoric acid)	Final