

# 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	<b>CORROSIVE TO EYES</b>	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	<b>IRRITATING TO EYES (cat 2)</b>	based on proposal from IP consortium members (test data is contradictory)	Not Classified	Current*
				<b>IRRITATING TO SKIN (cat 2)</b>	Based on proposal from IP members (study data is contradictory)		
				<b>IRRITATING TO RESPIRATORY TRACT (cat 3)</b>	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	<b>IRRITATING TO EYES (cat 2)</b>	Based on study data.	Not classified	Final

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15	Tetrapotassium pyrophosphate	230-785-7	GHS07: Warning 3.3 Cat 2 H 319 P280, P305 + P351 + P338 P 337 + P313	<b>IRRITATING TO EYES (cat 2)</b>	Based on study data.	Not classified	Final
16	Potassium tripolyphosphate <b>Powder form</b>	237-574-9	No Classification			Not classified	Final
	Potassium tripolyphosphate <b>Solution</b>	237-574-9	<i>Solution pH 9.9: No classification</i> <b>Solution pH 11.0 - 11.4:</b> <i>GHS05 Warning 3.2/2, 3.3/2, 2.16/1</i> <i>H 315, H 319, H 290</i> <b>Solution pH &gt;=11.5 :</b> <i>GHS05 Danger 3.2/1c, 3.3/1, 2.16/1</i> <i>H 314, H 290</i>	<b>Solution pH 11.0 11.4:</b>		<b>Solutions pH &lt; 11.5 :</b> Not Classified  <b>Solutions pH ≥11:</b>  UN number: 3266 UN Proper shipping name: CORROSIVE LIQUID, BASIC, INORGANIC n.o.s (Potassium tripolyphosphate) Hazard class: 8 Packing group: III	Final
				<b>CORROSIVE TO METALS (cat 1)</b>	Based on consortium member data.		
				<b>IRRITATING TO EYES (cat 2)</b>	Based on proposal from consortium member.		
				<b>IRRITATING TO SKIN (cat 2)</b>	Based on proposal from consortium member		
				<b>Solution pH &gt;=11.5:</b>			
				<b>CORROSIVE TO METALS (cat 1)</b>	Based on consortium member data.		
<b>CORROSIVE TO EYES (cat 1)</b>	Based on proposal from consortium member						
	<b>CORROSIVE TO SKIN (cat 1c)</b>	Based on proposal from consortium member					
21	Calcium bis (dihydrogenorthophosphate) = MCP	231-837-1	GHS05: Danger 3.3/1 H318 P280 P305 + P351 + P338 P310	<b>CORROSIVE TO EYES (cat 1)</b>	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	<b>CORROSIVE TO EYES (cat 1)</b>	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	<b>HAZARDOUS TO THE AQUATIC ENVIRONMENT (cat 3)</b>	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	<b>HAZARDOUS TO THE AQUATIC ENVIRONMENT (cat 2)</b>	Based on proposal from consortium member.	UN 3077 ENVIRONMENTALLY 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	<b>HAZARDOUS TO THE AQUATIC ENVIRONMENT (cat 2)</b>	Based on proposal from consortium member.	<i>*Likely to be classified as class 9 due to Aquatic 2 and lack of other classification – companies to confirm.</i>	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	<b>HAZARDOUS TO THE AQUATIC ENVIRONMENT (cat 3) ACUTE ORAL TOXICITY (cat 4)</b>	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	<b>CORROSIVE TO EYES (cat 1)</b>	Based on study data.	Not classified	Final
40	Aluminium orthophosphate	232-056-9	No classification				Current*

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41	Aluminium dihydrogen triphosphate	237-714-9	GHS07: Warning Skin Irritation 3.2/2 Eye Irritation 3.312 H 315 H 319 P 280 P 302 + P 352 P305 + P 351 + P 338 P 337 + P 313 P332+P313	<b>IRRITATING TO EYES (cat 2)</b> <b>IRRITATING TO SKIN (cat 2)</b>	Based on proposal from Consortium Member because of the pH 2 - 3	Not Classified	Current*
43	Sodium aluminium phosphate (SALP)	<b>3:2:8</b>	232-090-4	No classification		Not Classified	Current*
		<b>1:3:8</b>		GHS05: Danger 3.3/1 H318 P280 P305 + P351 + P338 + P310	<b>CORROSIVE TO EYES (cat 1)</b>	Based on study data.	
44	Boron orthophosphate	BOP. H2O		3.2/2 3.3/2 GHS07: Warning H315, H319	<b>IRRITATING TO EYES/SKIN (cat 2)</b>	Not classified	Current*
		BOP	236-337-7	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	<b>ACUTELY TOXIC VIA THE ORAL ROUTE (cat 4)</b>	Based on study data	Not classified	<i>Final</i>

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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 %	<b>CORROSIVE TO SKIN (cat 1B)</b> [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*
<b>Polymers</b>							
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