

# Summary presentation of Consortium for REACH Registration of Inorganic Phosphates (IP Consortium)

Six EU manufacturers of phosphoric acids and a range of inorganic phosphates established a Consortium for REACH Registration of Inorganic Phosphates in November 2008, following around one year of preparatory work, as announced on the ECHA website during the Pre-Registration phase. This Consortium covers around 40 different sodium, potassium, calcium, iron, magnesium, manganese, copper, aluminium, and boron phosphates. This Consortium does not cover STPP (Sodium Tri Poly Phosphate) for which a separate Consortium was already established, and does not cover a number of fertiliser phosphates, nor zinc phosphates, which are covered by other Consortia.

**This consortium is open to all manufacturers/ importers/ only representatives as defined in the REACH Regulation of one or more of the consortium substances**, on their own, in preparations or in articles, and who are subject to the registration requirements pursuant to the REACH Regulation, or Affiliates thereof, according to the conditions defined in the IP Consortium Agreement.

The Secretariat of this Inorganic Phosphates Consortium (IP) is contracted to ReachCentrum. The Consortium has already carried out a preliminary literature search, and has contracted to Harlan (Safepharma UK) completion of the literature search, data gap assessment, read-across and grouping analysis and Registration cost assessment.

The REACH legislation requires all SIEF members to: inform all other SIEF members of existing studies, agree on substance identity and Classification and Labelling (C&L), agree on needs for further studies, provide relevant information to other SIEF participants. Also, anti-trust requires full openness, transparency and fairness in dealings with all SIEF members. In order to respect these obligations as far as is possible to date, the Inorganic Phosphates Consortium companies are making available to all SIEF members on request the following information:

- summary of the financial and legal conditions for becoming a member of the IP Consortium and/or for access to the inorganic phosphates REACH Registration Dossiers being developed by this Consortium
- list of existing studies in the Consortium's possession (those owned by Consortium members and also publicly published studies), specifying each endpoint – substance pair covered
- full IP Consortium Agreement text, including in particular financial and confidentiality conditions
- "Commitment and confidentiality form" to be completed, signed and returned by SIEF members wishing to join the IP Consortium, participate in preparation of Joint Registration Dossiers, or wishing to obtain further information

To obtain the above documents, you must email [ip@reachcentrum.eu](mailto:ip@reachcentrum.eu) indicating :

- your name, company name and legal address,
- whether you are an EU manufacturer / importer / or “only representative” of a non EU company
- if “only representative”, specify the name, legal address and country of the company represented
- indicate which of the substances on the Consortium list (below) you plan to Register and your tonnage band for each of these substances

Companies and other organisations having in their possession or aware of **studies and information concerning or relevant to the REACH Registration of the inorganic phosphates** covered by the IP Consortium are invited to communicate this information to the Secretariat [ip@reachcentrum.eu](mailto:ip@reachcentrum.eu), indicating the substance(s) concerned, endpoint(s), author and year, and also the ownership of the study (company owner or publicly published).

Please note that the Consortium Secretariat and the member companies do not have the resources necessary to communicate directly and individually with the several thousand members of the SIEFs for inorganic phosphates, and therefore, in that our REACH and anti-trust obligations to date are fulfilled by the information process indicated above, the Consortium Secretariat and the Consortium member companies will generally not be able to respond to any emails or contacts except as where necessary to finalise formal agreements and exchange information with companies having already signed the “commitment and confidentiality” form, or indicating that they are in possession of studies not on the IP Consortium studies list.

### **The Inorganic Phosphates Consortium covers the following substances as of today's date:**

Notes: “**Lead**” in the table below means:

- that the company indicated is leading the work of REACH dossier preparation for the substance in question within the IP Consortium,
- and (b) that the company has been proposed as “Lead Registrant” to ECHA and that all SIEF members have been informed of this proposal (by email May 2009) and that no objection has been received to date.

*BKG = BK Giulini, TP = Thermphos International, CFB = Chemische Fabrick Budenheim*

The **Registration Deadline** indicated below is the highest tonnage band indicated by any SIEF member to date to the IP Consortium. Substances will NOT be registered by the IP Consortium before the deadline corresponding to this tonnage band. If your company is in a higher tonnage band or wishes to register earlier, you should indicate this to the IP Consortium immediately.

| Reg deadline | IP N° | Chemical name(s)                      | EINECS N° | CAS N°(s)  | Lead Co. |
|--------------|-------|---------------------------------------|-----------|------------|----------|
| 1,000++      | 2     | Sodium dihydrogenorthophosphate       | 231-449-2 | 7558-80-7  | TP       |
|              |       | Monosodium phosphate-anhydrous        |           | 13472-35-0 |          |
|              |       | Monosodium phosphate-dihydrate        |           | 10049-21-5 |          |
|              |       | Monosodium phosphate-monohydrate      |           |            |          |
| 1,000++      | 3     | Disodium hydrogenorthophosphate       | 231-448-7 | 7558-79-4  | TP       |
|              |       | Disodium phosphate-anhydrous          |           | 10028-24-7 |          |
|              |       | Disodium phosphate-dihydrate          |           | 10039-32-4 |          |
|              |       | Disodium phosphate-dodecahydrate      |           | 7782-85-6  |          |
|              |       | Disodium phosphate-heptahydrate       |           |            |          |
| 1,000++      | 4     | Trisodium orthophosphate              | 231-509-8 | 7601-54-9  | TP       |
|              |       | Trisodium phosphate-anhydrous         |           | 10101-89-0 |          |
|              |       | Trisodium phosphate-dodecahydrate     |           | 15819-50-8 |          |
|              |       | Trisodium phosphate-hexahydrate       |           | 10361-89-4 |          |
|              |       | Trisodium phosphate-decahydrate       |           | 60593-58-0 |          |
|              |       | Trisodium phosphate-0,5-hydrate       |           |            |          |
|              |       | Trisodium phosphate-octahydrate       |           | 60593-59-1 |          |
| 1,000++      | 5     | Disodium dihydrogenpyrophosphate      | 231-835-0 | 7758-16-9  | TP       |
|              |       | Sodium pyrophosphate                  |           |            |          |
|              |       | Sodium acid pyrophosphate             |           |            |          |
| 100-1,000    | 6     | Trisodium hydrogen diphosphate        | 238-735-6 | 14691-80-6 | TP       |
|              |       | Trisodium pyrophosphate               |           | 26573-04-6 |          |
|              |       | Trisodium pyrophosphate-monohydrate   |           | 16457-94-6 |          |
|              |       | Trisodium pyrophosphate-nonahydrate   |           |            |          |
| 1,000++      | 7     | Tetrasodium pyrophosphate             | 231-767-1 | 7722-88-5  | TP       |
|              |       | Tetrasodium pyrophosphate-decahydrate |           | 13472-36-1 |          |
| 1,000++      | 8     | Trisodium trimetaphosphate            | 232-088-3 | 7785-84-4  | BKG      |
|              |       | Sodium trimetaphosphate               |           |            |          |
| 1,000++      | 10    | Sodium metaphosphate                  | 233-343-1 | 10124-56-8 | BKG      |
|              |       | <i>Sodium hexametaphosphate</i>       |           |            |          |
| 1,000++      | 12    | Potassium dihydrogenorthophosphate    | 231-913-4 | 7778-77-0  | Pr       |
|              |       | Monopotassium phosphate               |           |            |          |
| 1,000++      | 13    | Dipotassium hydrogenorthophosphate    | 231-834-5 | 7758-11-4  | Pr       |
|              |       | Dipotassium phosphate                 |           | 16788-57-1 |          |
|              |       | Dipotassium phosphate-trihydrate      |           | 78436-04-1 |          |
|              |       | Dipotassium phosphate-hexahydrate     |           |            |          |
| 100-1,000    | 14    | Tripotassium orthophosphate           | 231-907-1 | 7778-53-2  | Pr       |
|              |       | Tripotassium phosphate                |           | 27176-10-9 |          |
|              |       | Tripotassium phosphate-monohydrate    |           | 22763-03-7 |          |
|              |       | Tripotassium phosphate-trihydrate     |           |            |          |

|         |    |  |           |            |     |
|---------|----|--|-----------|------------|-----|
|         |    | Tripotassium phosphate-heptahydrate      |           | 22763-02-6 |     |
|         |    | Tripotassium phosphate-nonahydrate       |           | 78436-05-2 |     |
| 1,000++ | 55 | Phosphoric acid, potassium salt (2:1)    | 238-961-5 | 14887-42-4 | Pr  |
|         |    | Potassium pentahydrogen bis(phosphate)   |           |            |     |
| 1,000++ | 15 | Tetrapotassium pyrophosphate             | 230-785-7 | 7320-34-5  | BKG |
|         |    | Tetrapotassium pyrophosphate-monohydrate |           | 79102-70-8 |     |
|         |    | Tetrapotassium pyrophosphate-trihydrate  |           | 7790-67-2  |     |
| 1,000++ | 16 | Pentapotassium triphosphate              | 237-574-9 | 13845-36-8 | BKG |
|         |    | Potassium tripolyphosphate               |           |            |     |
|         |    | Potassium tripolyphosphate-dihydrate     |           | 66904-52-7 |     |
| 1,000++ | 21 | Calcium bis(dihydrogenorthophosphate)    | 231-837-1 | 7758-23-8  | CFB |
|         |    | Monocalcium phosphate anhydrous          |           |            |     |
|         |    | Monocalcium phosphate 1-hydrate          |           | 10031-30-8 |     |
|         |    | Triple Super Phosphate                   | 266-030-3 | 65996-95-4 |     |
| 1,000++ | 22 | Calcium hydrogenorthophosphate           | 231-826-1 | 7757-93-9  | CFB |
|         |    | Dicalcium phosphate anhydrous            |           |            |     |
|         |    | Dicalcium phosphate 2-Hydrate            |           | 7789-77-7  |     |
| 1,000++ | 23 | Tricalcium bis(orthophosphate)           | 231-840-8 | 7758-87-4  | CFB |
|         |    | Beta-tricalcium phosphate                |           |            |     |
| 1,000++ | 24 | Hydroxylapatite                          | 215-145-7 | 1306-06-5  | CFB |
|         |    | Hydroxyapatite                           |           |            |     |
|         |    | Tricalcium phosphate                     | 235-330-6 | 12167-74-7 |     |

|           |    |   |           |                        |     |
|-----------|----|---|-----------|------------------------|-----|
|           |    | Pentacalcium hydroxide tris(orthophosphate)   |           |                        |     |
| 100-1,000 | 25 | Calcium dihydrogenpyrophosphate<br>Calcium acid pyrophosphate   | 238-933-2 | 14866-19-4             | CFB |
| 10 - 100  | 26 | Dicalcium pyrophosphate<br>Calcium pyrophosphate  | 232-221-5 | 7790-76-3              | CFB |
| 100-1,000 | 27 | Iron orthophosphate<br>Ferric-III orthophosphate  | 233-149-7 | 10045-86-0             | CFB |
| 100-1,000 | 28 | Tetrairon tris(pyrophosphate)<br>Ferric-III pyrophosphate   | 233-190-0 | 10058-44-3             | CFB |
| 1,000++   | 29 | Magnesium hydrogenorthophosphate<br>Dimagnesium phosphate anhydrous<br>Dimagnesium phosphate 3-hydrate<br>Magnesium hydrogen phosphate trihydrate | 231-823-5 | 7757-86-0<br>7782-75-4 | CFB |
| 10-100    | 30 | Trimagnesium bis(orthophosphate)<br>Trimagnesium phosphate 4-hydrate<br>Trimagnesium phosphate 5-hydrate<br>Trimagnesium phosphate 8-hydrate      | 231-824-0 | 7757-87-1              | CFB |
| 100-1,000 | 31 | Magnesium bis(dihydrogenorthophosphate)<br>Monomagnesium phosphate 4-hydrate  | 236-004-6 | 13092-66-5             | CFB |
| 10-100    | 57 | Magnesium pyrophosphate   | 236-595-0 | 13446-24-7             | CFB |
| 10-100    | 58 | Magnesium dihydrogenpyrophosphate   | 244-016-8 | 20768-12-1             | CFB |
| 1-10      | 33 | Trimanganese bis(orthophosphate)<br>Trimanganese phosphate 3-hydrate  | 237-997-9 | 14154-09-7             | CFB |
| 1,000++   | 34 | Manganese bis(dihydrogen phosphate)<br>Monomanganese phosphate  | 242-520-2 | 18718-07-5             | CFB |
| 1-10      | 35 | Manganese hydrogen phosphate<br>Dimanganese phosphate 2-Hydrate   | 257-147-0 | 51349-94-1             | CFB |
| 1-10      | 36 | Tricopper bis(orthophosphate)<br>Tricopper (II)-phosphate   | 232-254-5 | 7798-23-4              | CFB |
| 100-1,000 | 37 | Diphosphoric acid, copper salt<br>Copper (II)-pyrophosphate   | 233-279-4 | 10102-90-6             | CFB |
| 10-100    | 38 | Dicopper hydroxide phosphate<br>Copper (II)-hydroxyphosphate  | 235-285-2 | 12158-74-6             | CFB |
| 1,000++   | 39 | Aluminium tris dihydrogenphosphate<br>Monobasic aluminium phosphate   | 236-875-2 | 13530-50-2             | CFB |
| 1,000++   | 40 | Aluminium orthophosphate  | 232-056-9 | 7784-30-7              | CFB |

|           |    |  |           |            |      |
|-----------|----|--|-----------|------------|------|
|           |    | Aluminium phosphate trihydrate               |           | 22784-12-9 |      |
|           |    | Tribasic aluminium phosphate                 |           |            |      |
| 100-1,000 | 41 | Aluminium dihydrogen triphosphate            | 237-714-9 | 13939-25-8 | CFB  |
|           |    | Aluminium tripolyphosphate                   |           |            |      |
| 100-1,000 | 43 | Phosphoric acid, aluminium sodium salt       | 232-090-4 | 7785-88-8  | CFB  |
|           |    | Sodium aluminium phosphate 1:3:8             |           |            |      |
|           |    | Sodium aluminium phosphate 3:2:8             |           |            |      |
|           |    | Sodium aluminium phosphate                   |           |            |      |
| 100-1,000 | 44 | Boron orthophosphate                         | 236-337-7 | 13308-51-5 | CFB  |
|           |    | Boron phosphate                              |           |            |      |
| 100-1,000 | 46 | Pentapotassium pentasodium bis(triphosphate) | 246-156-5 | 24315-83-1 | TP   |
|           |    | Sodium potassium tripolyphosphate            |           |            |      |
| 1,000++   | 47 | Disodium fluorophosphate                     | 233-433-0 | 10163-15-2 | BKG  |
| 10-100    | 56 | Ammonium magnesium orthophosphate = struvite | 232-075-2 | 7785-21-9  | Umco |

**WILL NOT BE REGISTERED BY "IP" CONSORTIUM -----> considered to be POLYMERS**

|           |    |  |                     |            |  |
|-----------|----|--|---------------------|------------|--|
| 1,000++   | 9  | Polyphosphoric acids, sodium salts       | 272-808-3           | 68915-31-1 |  |
| 1,000++   | 11 | Grahams salt                             | 233-782-9           | 10361-03-2 |  |
|           |    | Sodium metaphosphate insoluble           |                     |            |  |
| 100-1,000 | 17 | Potassium metaphosphate                  |                     | 7790-53-6  |  |
|           |    | Potassium polyphosphate                  |                     |            |  |
|           |    | Polyphosphoric acids, potassium salts    |                     |            |  |
|           |    | Kurroll's salt                           | 273-317-7           | 68956-75-2 |  |
| 1,000++   | 20 | Polyphosphoric acids, ammonium salts     | 269-789-9           | 68333-79-9 |  |
|           |    | Ammonium polyphosphate                   |                     | 14728-39-3 |  |
| 10-100    | 32 | Magnesium dimetaphosphate                | 237-000-7           | 13573-12-1 |  |
| 100-1,000 | 42 | Aluminium metaphosphate                  | 237-415-3           | 13776-88-0 |  |
| 100-1,000 | 45 | Sodium calcium polyphosphate             | 245-490-9 233-782-9 | 23209-59-8 |  |
|           |    | Metaphosphoric acid, calcium sodium salt |                     |            |  |
|           |    | Polyphosphoric acid calcium sodium salt  |                     | 85049-55-4 |  |
| 1,000++   | 49 | Polyphosphoric acid(s)                   | 232-417-0           | 8017-16-1  |  |
|           | 50 | Pyrophosphoric acid(s)                   | 219-574-0           | 2466-09-3  |  |

**WILL NOT BE REGISTERED BY "IP" CONSORTIUM -----> covered by**

**"STPP" consortium**

|                                |   |                                     |           |            |           |
|--------------------------------|---|-------------------------------------|-----------|------------|-----------|
| Not covered by this Agreement. | 0 | Sodium tripolyphosphate             | 231-838-7 | 7758-29-4  | FMC Foret |
|                                |   | Pentasodium triphosphate            |           |            |           |
|                                |   | Sodium triphosphate                 |           | 13573-18-7 |           |
|                                |   | Sodium tripolyphosphate-hexahydrate |           |            |           |
|                                | 1 | Triphosphoric acid, sodium salt     | 237-004-9 | 15091-98-2 |           |
|                                |   | Sodium triphosphoric acid           |           |            |           |

**WILL NOT BE REGISTERED BY THE "IP" CONSORTIUM -----> covered by "FARM" consortium**

|           |    |                                   |           |            |            |
|-----------|----|-----------------------------------|-----------|------------|------------|
| 1,000++   | 48 | Phosphoric acid                   | 231-633-2 | 7664-38-2  | GPN        |
|           |    | Orthophosphoric acid              |           |            |            |
| 1,000++   | 18 | Ammonium dihydrogenorthophosphate | 231-764-5 | 7722-76-1  | Prayon     |
|           |    | Phosphoric acid, ammonium salt    | 233-330-0 | 10124-31-9 |            |
|           |    | Monoammonium phosphate            |           |            |            |
| 1,000++   | 19 | Diammonium hydrogenorthophosphate | 231-987-8 | 7783-28-0  | Fertiberia |
|           |    | Diammonium phosphate              |           |            |            |
| 100-1,000 | 51 | Urea phosphate                    | 225-464-3 | 4861-19-2  | ?          |
|           |    | Carbamide phosphate               | 224-534-0 | 4401-74-5  |            |

**WILL NOT BE REGISTERED BY THE "IP" CONSORTIUM -----> covered by "ZincReach" consortium**

|         |    |                                |           |            |           |
|---------|----|--------------------------------|-----------|------------|-----------|
| 10-100  | 52 | Zinc bis(dihydrogen phosphate) | 237-067-2 | 13598-37-3 | Chemetall |
|         |    | Monozinc phosphate 2-Hydrate   |           |            |           |
| 1-10    | 53 | Trizinc bis(orthophosphate)    | 231-944-3 | 7779-90-0  | Heubach   |
|         |    | Trizinc phosphate 2-hydrate    |           |            |           |
| 1,000++ | 54 | Dizinc pyrophosphate           | 231-203-4 | 7446-26-6  | ?         |
|         |    | Zinc pyrophosphate             |           |            |           |