L.N. 363 of 2002

PRODUCT SAFETY ACT
(ACT No V OF 2001)

Fertilizers Regulations, 2002

IN exercise of the powers conferred by article 38 of the Product Safety Act, 2001, the Minister for Economic Services, on the advice of the Malta Standards Authority, has made the following regulations:

Citation and commencement.

1.1 The title of these regulations is the Fertilizers Regulations, 2002.

1.2 These regulations shall come into effect as from 1st January, 2003.

Applicability.

2.1 These regulations shall apply to products which are marketed as fertilizers and designated "EC fertilizer".

Marketing of "EC fertilizers".

3.1 The designation "EC fertilizer' may only be used for fertilizers belonging to one of the fertilizer types listed in the First Schedule and complying with the conditions laid down by these regulations and by the First to Third Schedules thereof.

3.2 The fertilizers referred to in paragraph 2.1 must be provided with identification markings. These identification markings are listed under paragraph 1 of the Second Schedule and the terms and conditions governing the application of these markings are set out under paragraph 2 of the same Schedule.

3.3 If the fertilizers are packed, the markings referred to in paragraph 3.2 must appear on the packages or labels. For containers with a quantity of fertilizer exceeding 100 kg, these markings need appear only on the accompanying documents. If the fertilizers are in bulk, these markings must appear on the accompanying documents.

Permitted Markings.

4.1 Without prejudice to other applicable provisions, the only markings permitted on the packages, labels and accompanying documents referred to in paragraph 3.3 shall be the following indications relating to fertilizers:

(a) the compulsory identification markings specified in paragraph 1 of the Second Schedule;

(b) the optional data listed in the First Schedule;

(c) the manufacturer's own mark, the trade mark of the product and the trade description of the product;

(d) the specific directions for the use, storage and handling of the fertilizer.

The indications referred to in (c) and (d) hereof may not conflict with those referred to in (a) and (b) hereof and must be clearly separated from them.

4.2 All the markings referred to in paragraph 4.1 must be clearly separated from any other information on the packages, labels and accompanying documents.

4.3 Fluid fertilizers may be marketed only if suitable directions are provided. These directions shall cover, in particular, storage temperature and prevention of accidents during storage.

Closure of Packages.

5.1 In the case of packaged fertilizers, the package must be closed in such a way or by such a device that, when it is opened, the fastening, fastening seal or the package itself is irreparably damaged. Valve sacks may be used.

Verification of Compliance.

6.1 Compliance with these regulations and with the First and Second Schedules hereof in respect of conformity to types of fertilizer and compliance with the declared nutrient content and the declared content expressed as forms and, or solubilities of such nutrients may be verified at official inspections only by means of the sampling and analysis methods laid down by Commission Directive 77/535/EEC, as amended, and taking into account the tolerances specified in the Third Schedule to these regulations.

Calcium, Magnesium, Sodium and Sulphur Content of Fertilizers.

7.1 A declaration of the magnesium, sodium and sulphur content of the EC fertilizers listed in the First Schedule may be made provided that these elements are present in at least the minimum quantities specified in paragraph 7.2 and that the EC fertilizers continue to specify

the requirements of the First Schedule. In such cases, the marking specified in point (b) of paragraph 7.4 shall be added to the type designation.

7.2 A declaration of the magnesium, sodium and sulphur content of the EC fertilizers referred to in paragraph 7.1 may be made only if they contain not less than:

2 % of magnesium oxide (MgO), i.e. 1.2 % Mg,
3 % of sodium oxide (Na_2O), i.e. 2.2 % Na,
5 % of sulphur trioxide (SO_3), i.e. 2 % S.

Within the meaning of these regulations, a declaration of the calcium content considered to be a nutrient shall be made, without prejudice to paragraph 7.3.1, only for fertilizers of types 1 and 2 as listed in the First Schedule. The following formula shall be used to convert the calcium oxide content into a calcium content:

calcium (Ca) = calcium oxide (CaO) x 0.715

7.3.1 The soluble calcium content of the liquid fertilizers referred to in Part C of the First Schedule, which are intended for foliage spraying, may be stipulated when the content reaches a minimum of 8 % calcium oxide (= 5.7 % Ca).

7.4 The following marking shall be compulsory for identification purposes in the case of EC fertilizers containing calcium, sodium, magnesium or sulphur:

(a) "EC FERTILIZER" in capital letters;

(b) the designation of the type of fertilizer:

- either in accordance with the First Schedule, with the designation of the type being followed by "containing" and the names or chemical symbols of the elements referred to in these regulations which the fertilizer contains. The figures indicating the contents of the elements referred to in these regulations may be followed by figures in brackets for the elements referred to in Part D of the First Schedule,

- or in accordance with Part D of the First Schedule;

(b) the guaranteed content in respect of each nutrient and the guaranteed content expressed as forms and, or solubilities, where these are specified in the Schedules.

7.4.1 The nutrient content of straight and compound fertilizers shall be given as a percentage by weight in whole numbers, or where necessary, to one decimal place.

7.4.2 If a fertilizer contains several declarable elements, their contents shall be indicated in the following order:

N, P_2O_5 and, or P, K_2O and, or K, CaO or Ca, MgO and, or Mg, Na_2O and, or Na, SO_3 and, or S.

7.4.3 The forms and solubilities of the nutrients shall also be expressed as a percentage by weight of fertilizer, except where the First Schedule explicitly provides that this content shall be otherwise expressed.

7.4.4 Nutrients shall be indicated both in words and by appropriate chemical symbols, e.g. nitrogen (N), phosphorus (P), phosphorus pentoxide ($P2O_5$), potassium (K), potassium oxide (K_2O), magnesium (Mg), magnesium oxide (MgO), sodium (Na), sodium oxide (Na_2O), sulphur (S), sulphur trioxide (SO_3), calcium (Ca) and calcium oxide (CaO).

7.4.5 The declaration of the magnesium, sodium and sulphur content of the fertilizers referred to in paragraph 7.1 shall be expressed in one of the following ways:

- the total content expressed as a percentage of the fertilizer by weight,

- where an element is totally soluble in water, only the content soluble in water shall be declared,

- the total content and the content soluble in water, expressed as a percentage of the fertilizer by weight when the soluble content is at least a quarter of the total content.

7.5.1 The contents shall be determined under the conditions specified in the analytical methods laid down by Commission Directive 77/535/EEC.

7.6 The tolerances allowed in respect of the declared calcium, magnesium, sodium and sulphur contents shall be a quarter of the declared contents of these elements up to a maximum of 0.9 % in absolute terms for CaO, MgO, Na_2O and SO_3, i.e. 0.64 for Ca, 0.55 for Mg, 0.67 for Na and 0.36 for S.

7.7 Fertilizers meeting the requirements of paragraphs 7.1 to 7.6 and of Part D of the First Schedule may be marked "EC FERTILIZER".

Trace Element Content.

8.1 Solid or fluid fertilizers listed in Section A of Part E of the First Schedule, containing only one of the following trace elements: boron, cobalt, copper, iron, manganese, molybdenum or zinc, and meeting the requirements of the said Section A, may be marked "EC FERTILIZER".

8.2 Mixtures of two or more of the fertilizers referred to in paragraph 9.1 containing at least two different trace elements may be marked "EC FERTILIZER" if they meet the requirements of Section B of Part E of the First Schedule.

8.3 EC fertilizers complying with the provisions of paragraphs 9.1 or 9.2 shall be packaged.

8.4 The content of one or more of the following trace elements: boron, cobalt, copper, iron, manganese, molybdenum or zinc in the EC fertilizers listed in the First Schedule shall be declared where the following two conditions are fulfilled:

(a) the trace elements are added and present at least in the minimum quantities specified in Sections C and D of Part E of the First Schedule;

(b) the EC fertilizers must continue to satisfy the requirements of the First Schedule.

8.5 Where the trace elements are the normal ingredients of the raw materials intended to supply major and secondary elements, their declaration shall be optional, provided that these trace elements are present at least in the minimum quantities specified in Sections C and D of Part E of the First Schedule.

8.6 The compulsory markings for the identification of EC fertilizers containing one or more of the trace elements mentioned in paragraph 8.1 shall be as follows:

(a) "EC FERTILIZER" in capital letters,

(b) the designation of the type of fertilizer:

- either in accordance with Section A of Part E of the First Schedule,

- or as the type designation "Mixture of trace elements", followed by the names of the trace elements present or their chemical symbols,

- or in accordance with the First Schedule, by adding to the type designation either:

"with trace elements",

or

"with"followed by the name or names of the trace elements present or by their chemical symbols.

Only the numbers stating the contents of the major and secondary elements covered by these regulations shall follow the type designation.

Where several trace elements are present they shall be listed in the alphabetical of their chemical symbols: B, Co, Cu, Fe, Mn, Mo, Zn;

(c) the guaranteed content in respect of each nutrient and the guaranteed content expressed as forms andcor solubilities where these are specified in the Schedules and, for each trace element present, as required by paragraph 8.8;

(d) where all or part of the trace element is chemically linked with an organic molecule, the name of that element is then followed by one of the following qualifiers:

- "chelated by ....." (name of chelating agent or its abbreviation as set out in Section E(1) of Part E of the First Schedule,

- "complexed by ....." (name of complexing agent as set out in Section E(2) of Part E of the First Schedule.

The trace element content shall be expressed as a percentage by weight, in whole numbers or where necessary to one decimal place for fertilizers containing only one trace element (Section A of Part E of the First Schedule). Where fertilizers contain several trace elements the number of decimal places may, for a given element, be as set out in Sections B, C and D of Part E of the First Schedule.

Trace element content shall be expressed both in words and by the appropriate chemical symbols.

The following shall be entered on the label or accompanying papers, with regard to the products appearing in Sections A and B of Part E of the First Schedule below the obligatory or optional declarations:

"To be used only where there is a recognized need. Do not exceed the appropriate dose rates."

8.7 The person in charge of marketing in Malta an EC fertilizer containing one of the trace elements mentioned in paragraph 8.1 shall ensure that an indication is given of the dose rates and conditions of use suitable for the soil and crop conditions under which the fertilizer is used. This information must be clearly separated from the obligatory declarations provided for in paragraph 8.6.

8.8 The trace element content of EC fertilizers placed on the market must be stated in the form of elements (B, Co, Cu, Fe, Mn, Mo, Zn).

8.8.1 The trace element content of a fertilizer shall be declared in the following manner:

(a) for the fertilizers referred to in paragraph 8.1: in accordance with the requirements set out in Section A (column 6) of Part E of the First Schedule;

(b) for the fertilizers referred to in paragraph 8.2 and paragraphs 8.4 and 8.5 by indicating:

- the total content, expressed as a percentage by weight of the fertilizer, and

- the water-soluble content, expressed as a percentage by weight of the fertilizer, where that solubility is at least half of the total content.

Where a trace element is totally water-soluble, only the water-soluble content shall be declared.

The trace element content of a fertilizer shall be determined under the conditions laid down in the methods of analysis laid down in Commission Directive 77/535/EEC.

Where a trace element is chemically linked with an organic molecule the content present in the fertilizer shall be declared immediately following the water-soluble content as a percentage

by weight of the product, followed by one of the terms: "chelated by" or "complexed by" with the name of the organic molecule as set out in Section E of Part E of the First Schedule. The name of the organic molecule may be replaced by its initials.

8.9 The tolerance allowed in respect of the declared trace element content shall be:

- 0.4 % in absolute terms for a content of more than 2 %,

- one-fifth of the "declared value for a content not exceeding 2 %.

Ammonium nitrate fertilizers of high nitrogen content

9.1 For the purposes of these regulations, "ammonium nitrate fertilizers of high nitrogen content" shall mean ammonium nitrate based products manufactured chemically for use as a fertilizer and containing more than 28 % by weight of nitrogen, and which may also contain inorganic additives or inert substances such as ground limestone or ground dolomite, calcium sulphate, magnesium sulphate and kieserite.

9.2 Inorganic additives or inert substances, other than those mentioned in regulation 9.1, which are used in the compounding of ammonium nitrate fertilizers of high nitrogen content must not increase their sensitivity to heat or their tendency to detonate.

9.3 Ammonium nitrate fertilizers of high nitrogen content may only be designated as "EC fertilizers" if they conform to the characteristics and limits laid down in the Fourth Schedule. The person responsible for marketing the fertilizer, established in Malta or in the European Community, shall certify its conformity by use of the description "EC fertilizer".

9.4 Only packaged ammonium nitrate fertilizers of high nitrogen content may be made available to the final user.

9.5 International rules on the carriage of dangerous substances shall continue to apply for the carriage of ammonium nitrate fertilizers of high nitrogen content.

9.6 The provisions of these Regulations shall not preclude the taking of measures which are justified on grounds of public security to prohibit, restrict or hinder the marketing of ammonium nitrate fertilizers of high nitrogen content which are marketed as EC fertilizers and which comply with the requirements of these Regulations and the Fourth Schedule thereof, provided that any such measures, in particular as regards storage, shall not be as stringent as those applying to ammonium

nitrate fertilizers of high nitrogen content which are not marketed as EC fertilizers.

9.7 Without prejudice to the measures referred to in regulation 9.6, the competent authority may require additional checks to be carried out on EC fertilizers. Such checks may be carried out either before the fertilizers are placed on the market, or after marketing, or at both stages concurrently.

9.8 For the checks referred to in regulation 9.7, only the test described in the Fifth Schedule shall be used.

9.9 Where there are good grounds for believing that an ammonium nitrate fertilizer of high nitrogen content, although satisfying the requirements of these Regulations, constitutes a hazard to safety or health, the competent authority may, on the advice of the Directorate responsible for chemicals within the Malta Standards Authority, temporarily prohibit the marketing of the fertilizer concerned or make it subject to special conditions.

9.10 The methods of analysis and test for official controls of straight ammonium nitrate fertilizers of high nitrogen content provided for by these Regulations shall be carried out in accordance with the methods described in Annexes II and III to Commission Directive 87/94/EEC[1], as amended.

10.1 The Fertilizers Regulations, 2001 are hereby repealed. Repeal of L.N. 165 of 2001

[1] OJL 38, 7.2.1987, p.1

FIRST SCHEDULE

A. STRAIGHT FERTILISERS

I. NITROGENOUS FERTILISERS

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
1 (a)	Calcium nitrate (nitrate of lime)	Chemically obtained product containing calcium nitrate as its essential ingredient and possibly ammonium nitrate	15 % N Nitrogen expressed as total nitrogen or as nitric and ammoniacal nitrogen. Maximum content of ammoniacal nitrogen: 1.5 % N		Total nitrogen *Additional optional particulars:* Nitric nitrogen Ammoniacal nitrogen
1 (b)	Calcium magnesium nitrate (nitrate of lime and magnesium)	Chemically obtained product containing calcium nitrate and magnesium nitrate as essential ingredients	13 % N Nitrogen expressed as nitric nitrogen. Minimum content of magnesium in the form of water-soluble salts expressed as magnesium oxide: 5 % MgO		Nitric nitrogen Water-soluble magnesium oxide
1 (c)	Magnesium nitrate	Chemically obtained product containing as its essential ingredient hexahydrated magnesium nitrate	10 % N Nitrogen expressed as nitric nitrogen 14 % MgO Magnesium expressed as water-soluble magnesium oxide	When marketed in the form of crystals, as note 'in crystallized form' may be added	Nitric nitrogen Water-soluble magnesium oxide
2 (a)	Sodium nitrate (nitrate of soda)	Chemically obtained product containing sodium nitrate as its essential ingredient	15 % N Nitrogen expressed as nitric nitrogen		Nitric nitrogen

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
2 (b)	Chile nitrate	Product prepared from caliche, containing sodium nitrate as its essential ingredient	15 % N Nitrogen expressed as nitric nitrogen		Nitric nitrogen
3 (a)	Calcium cyanamide	Chemically obtained product containing calcium cyanamide as its essential ingredient, calcium oxide and possibly small quantities of ammonium salts and urea	18 % N Nitrogen expressed as total nitrogen, at least 75 % of the nitrogen declared being bound in the form of cyanamide		Total nitrogen
3 (b)	Nitrogenous calcium cyanamide	Chemically obtained product containing calcium cyanamide as its essential ingredient, and calcium oxide and possibly small quantities of ammonium salts and urea, plus added nitrate	18 % N Nitrogen expressed as total nitrogen, at least 75 % of the non-nitric nitrogen declared being bound in the form of cyanamide. Nitric nitrogen content: minimum: 1 % N maximum: 3 % N		Total nitrogen Nitric nitrogen
4	Sulphate of ammonia	Chemically obtained product containing ammonium sulphate as its essential ingredient	20 % N Nitrogen expressed as ammoniacal nitrogen		Ammoniacal nitrogen
5	Ammonium nitrate or calcium ammonium nitrate	Chemically obtained product containing ammonium nitrate as its essential ingredient, which may contain fillers such as ground limestone, calcium sulphate, ground dolomite, magnesium sulphate, kieserite	20 % N Nitrogen expressed as nitric nitrogen and ammoniacal nitrogen, each of these two forms of nitrogen accounting for about half the nitrogen present	The designation 'calcium ammonium nitrate' is exclusively reserved for a fertilizer containing only calcium carbonate (limestone) and/or magnesium carbonate and calcium carbonate (dolomite)	Total nitrogen Nitric nitrogen Ammoniacal nitrogen

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
				in addition to ammonium nitrate. The minimum content of these carbonates must be 20 % and their purity level at least 90 %	
6	Ammonium sulphate-nitrate	Chemically obtained product containing as essential ingredients ammonium nitrate and ammonium sulphate	25 % N Nitrogen expressed as ammoniacal and nitric nitrogen. Minimum nitric nitrogen content: 5 %		Total nitrogen Ammoniacal nitrogen Nitric nitrogen
7	Magnesium sulphonitrate	Chemically obtained product containing ammonium nitrate, ammonium sulphate and magnesium sulphate as essential ingredients	19 % N Nitrogen expressed as ammoniacal and nitric nitrogen. Minimum nitric nitrogen content: 6 % N 5 % MgO Magnesium in the form of water-soluble salts expressed as total magnesium oxide		Total nitrogen Ammoniacal nitrogen Nitric nitrogen Water-soluble magnesium oxide
8	Magnesium ammonium nitrate	Chemically obtained product containing ammonium nitrates and magnesium compound salts (dolomite magnesium carbonate and/or magnesium sulphate) as essential ingredients	19 % N Nitrogen expressed as ammoniacal and nitric nitrogen. Minimum nitric nitrogen content: 6 % N 5 % MgO Magnesium expressed as total magnesium oxide		Total nitrogen Ammoniacal nitrogen Nitric nitrogen Total magnesium oxide and possibly, water-soluble magnesium oxide
9	Urea	Chemically obtained product containing carbonyl diamide (carbamide) as its essential ingredient	44 % N Total ureic nitrogen (including biuret). Maximum biuret content: 1.2 %		Total nitrogen, expressed as ureic nitrogen

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
10	Crotonylidene diurea	Product obtained by reaction of urea with crotonaldehyde Monomeric compound	28 % N Nitrogen expressed as total nitrogen At least 25 % N from the crotonylidene diurea Maximum ureic nitrogen content: 3 %		Total nitrogen Ureic nitrogen where this is at least 1 % by weight Nitrogen from crotonylidene diurea
11	Isobutylidene diurea	Product obtained by reaction of urea with isobutyraldehyde Monomeric compound	28 % N Nitrogen expressed as total nitrogen At least 25 % N from isobutylidene diurea Maximum ureic nitrogen content: 3 %		Total nitrogen Ureic nitrogen where this is at least 1 % by weight Nitrogen from isobutylidene diurea
12	Urea formaldehyde	Product obtained by reaction of urea with formaldehyde and containing as its essential ingredients molecules of urea formaldehyde Polymeric compound	36 % total nitrogen Nitrogen expressed as total nitrogen At least 31 % N from urea formaldehyde Maximum ureic nitrogen content: 5 %		Total nitrogen Ureic nitrogen where this is at least 1 % by weight Nitrogen from formaldehyde urea that is soluble in cold water Nitrogen from formaldehyde urea that is only soluble in hot water
13	Nitrogenous fertilizer containing crotonylidene diurea	Product obtained chemically containing crotonylidene diurea and a straight nitrogen fertilizer [First Schedule List A1, excluding products 3(a), 3(b) and 5]	18 % N expressed as total nitrogen At least 3 % nitrogen in ammoniacal and/or nitric and/or ureic form At least 1/3 of the declared total nitrogen content must be derived from crotonylidene		Total nitrogen For each form amounting to at least 1 %: - nitric nitrogen - ammoniacal nitrogen - ureic nitrogen Nitrogen from crotonylidene

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
			diurea Maximum biuret content: (ureic N + crotonylidene diurea N) x 0.026		diurea
14	Nitrogeneous fertilizer containing isobutylidene diurea	Product obtained chemically containing isobutylidene diurea and a straight nitrogenous fertilizer [First Schedule List A1 excluding products 3(a), 3(b) and 5]	18 % N expressed as total nitrogen At least 3 % nitrogen in ammoniacal and/or nitric and/or ureic form At least 1/3 of the declared total nitrogen content must derive from isobutylidene diurea Maximum biuret content: (ureic N + isobutylidene diurea N) x 0.026		Total nitrogen For each form amounting to at least 1 %: - nitric nitrogen - ammoniacal nitrogen - ureic nitrogen Nitrogen from isobutylidene diurea
15	Nitrogenous fertilizer containing urea formaldehyde	Product obtained chemically containing urea formaldehyde and a straight nitrogenous fertilizer [First Schedule List A1 excluding products 3(a), 3(b) and 5]	18 % N expressed as total nitrogen At least 3 % nitrogen in ammoniacal and/or nitric and/or ureic form At least 1/3 of the declared total nitrogen content must derive from isobutylidene diurea The nitrogen from the urea formaldehyde must contain at least 1/5 nitrogen that is soluble in hot water Maximum biuret content: (ureic N + urea		Total nitrogen For each form amounting to at least 1 %: - nitric nitrogen - ammoniacal nitrogen - ureic nitrogen Nitrogen from urea formaldehyde Nitrogen from urea formaldehyde that is soluble in cold water Nitrogen from urea formaldehyde that is only soluble in hot water

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
			formaldehyde) x 0.026		
16	Ammonium sulphate with nitrification inhibitor (dicyandiamide)	Chemically obtained product containing ammonium sulphate and dicyandiamide	20 % N Nitrogen expressed as total nitrogen Minimum ammoniacal nitrogen content: 18 % Minimum content of nitrogen from dicyandiamide: 1.5 %		Total nitrogen Ammoniacal nitrogen Nitrogen from dicyandiamide Technical information ([2])
17	Ammonium sulphonitrate with nitrification inhibitor (dicyandiamide)	Chemically obtained product containing ammonium sulphonitrate and dicyandiamide	24 % N Nitrogen expressed as total nitrogen Minimum nitric nitrogen content: 3 % Minimum content of nitrogen from dicyandiamide: 1.5 %		Total nitrogen Nitric nitrogen Ammoniacal nitrogen Nitrogen from dicyandiamide Technical information ([2])
18	Urea-ammonium sulphate	Product obtained chemically from urea and ammonium sulphate	30 % N Nitrogen expressed as ammoniacal and ureic nitrogen Minimum ammoniacal nitrogen content: 4 % Minimum sulphur content expressed as sulphur trioxide: 12 % Maximum biuret content: 0.9 %		Total nitrogen Ammoniacal nitrogen Ureic nitrogen Water-soluble sulphur trioxide

[2] Technical information as complete as possible must be provided with each package or bulk consignment by the person responsible for marketing. This information must in particular enable the user to determine the rates and timing of application in relation to the crop being grown.

II. PHOSPHATIC FERTILISERS

Where a particle size criterion is prescribed for the basic constituent materials of fertilisers sold in granular form (fertilisers 1, 3, 4, 5, 6 and 7), it will be established by an appropriate analytical method.

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
1	Basic slag - Thomas phosphates - Thomas slag	Product obtained in iron-smelting by treatment of the phosphorus melts and containing calcium silicophosphates as its essential ingredients	12 % P_2O_5 Phosphorus expressed as phosphorus pentoxide soluble in mineral acids, at least 75 % of the declared content of phosphorus pentoxide being soluble in 2 % citric acid; or 10 % P_2O_5 Phosphorus expressed as phosphorus pentoxide soluble in 2 % citric acid Particle size: at least 75 % able to pass through a sieve with a mesh of 0.160 mm, at least 96 % able to pass through a sieve with a mesh of 0.630 mm		Total phosphorus pentoxide (soluble in mineral acids), 75 % of which (to be indicated as % by weight) is soluble in 2 % citric acid; or Total phosphorus pentoxide (soluble in mineral acids) and phosphorus pentoxide soluble in 2% citric acid; or Phosphorus pentoxide soluble in 2 % citric acid
2 (a)	Normal superphosphate	Product obtained by reaction of ground mineral phosphate with sulphuric acid and containing monocalcium phosphate as an essential ingredient as well as calcium sulphate	16 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in neutral ammonium citrate, at least 93 % of the declared content of P_2O_5 being water-soluble Test sample: 1 g		Phosphorus pentoxide soluble in neutral ammonium citrate Water-soluble phosphorus pentoxide
2 (b)	Concentrated	Product obtained by reaction	25 % P_2O_5		Phosphorus pentoxide

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
	superphosphate	of ground mineral phosphate with sulphuric acid and phosphoric acid and containing monocalcium phosphate as an essential ingredient as well as calcium sulphate	Phosphorus expressed as P_2O_5 soluble in neutral ammonium citrate, at least 93 % of the declared content of P_2O_5 being water-soluble Test sample: 1 g		soluble in neutral ammonium citrate Water-soluble phosphorus pentoxide
2 (c)	Triple superphosphate	Product obtained by reaction of ground mineral phosphate with phosphoric acid and containing monocalcium phosphate as its essential ingredient	38 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in neutral ammonium citrate, at least 93 % of the declared content of P_2O_5 being water-soluble Test sample: 3 g		Phosphorus pentoxide soluble in neutral ammonium citrate Water-soluble phosphorus pentoxide
3	Partially solubilized rock phosphate	Product obtained by partial solubilization of ground rock phosphate with sulphuric acid or phosphoric acid, and containing as essential ingredients monocalcium phosphate, tricalcium phosphate and calcium sulphate	20 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in mineral acids, at least 40 % of the declared content of P_2O_5 being water-soluble. Particle size: - at least 90 % able to pass through a sieve with a mesh of 0.160 mm - at least 98 % able to pass through a sieve with a mesh of 0.630 mm		Total phosphorus pentoxide (soluble in mineral acids) Phosphorus pentoxide soluble in water
4	Dicalcium phosphate	Product obtained by precipitation of solubilized phosphoric acid from mineral phosphates or bones, and	38 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in alkaline ammonium citrate		Phosphorus pentoxide soluble in alkaline ammonium citrate

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
		containing dicalcium phosphate dihydrate as its essential ingredient	(Petermann). Particle size: - at least 90 % able to pass through a sieve with a mesh of 0.160 mm - at least 98 % able to pass through a sieve with a mesh of 0.630 mm		
5	Calcined phosphate	Product obtained by heat treatment of ground rock phosphate with alkaline compounds and silicic acid, and containing alkaline calcium phosphate and calcium silicate as essential ingredients	25 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in alkaline ammonium citrate (Petermann). Particle size: - at least 75 % able to pass through a sieve with a mesh of 0.160 mm - at least 96 % able to pass through a sieve with a mesh of 0.630 mm		Phosphorus pentoxide soluble in alkaline ammonium citrate
6	Aluminium-calcium phosphate	Product obtained in amorphous form by heat treatment and grinding, containing aluminium and calcium phosphates as essential ingredients	30 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in mineral acids, at least 75 % of the declared content of P_2O_5 being soluble in alkaline ammonium citrate (Joulie). Particle size: - at least 90 % able to pass through a sieve with a mesh of 0.160 mm		Total phosphorus pentoxide (soluble in mineral acids) Phosphorus pentoxide soluble in alkaline ammonium citrate

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
			- at least 98 % able to pass through a sieve with a mesh of 0.630 mm		
7	Soft ground rock phosphate	Product obtained by grinding soft mineral phosphates and containing tricalcium phosphate and calcium carbonate as essential ingredients	25 % P_2O_5 Phosphorus expressed as P_2O_5 soluble in mineral acids, at least 55 % of the declared content of P_2O_5 being soluble in 2 % formic acid. Particle size: - at least 90 % able to pass through a sieve with a mesh of 0.063 mm - at least 99 % able to pass through a sieve with a mesh of 0.125 mm		Total phosphorus pentoxide (soluble in mineral acids) Phosphorus pentoxide soluble in 2 % formic acid Percentage by weight of material able to pass through a sieve with a mesh of 0.063 mm

III. POTASSIC FERTILISERS

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
1	Kainit	Product obtained from crude potassium salts	10 % K_2O Potassium expressed as water-soluble K_2O 5 % MgO Magnesium in the form of water-soluble salts, expressed as magnesium oxide	Usual trade names may be added	Water-soluble potassium oxide Water-soluble magnesium oxide
2	Enriched kainit salt	Product obtained from crude potassium salts enriched by blending with potassium chloride	18 % K_2O Potassium expressed as water-soluble K_2O	Usual trade names may be added	Water-soluble potassium oxide Optional mention of the water-soluble magnesium oxide content where higher than 5 % MgO
3	Muriate of potash	Product obtained from crude potassium salts and containing potassium chloride as its essential ingredient	37 % K_2O Potassium expressed as water-soluble K_2O	Usual trade names may be added	Water-soluble potassium oxide
4	Potassium chloride containing magnesium salt	Product obtained from crude potassium salts with added magnesium salts and containing potassium chloride and magnesium salts as essential ingredients	37 % K_2O Potassium expressed as water-soluble K_2O 5 % MgO Magnesium in the form of water-soluble salts, expressed as magnesium oxide		Water-soluble potassium oxide Water-soluble magnesium oxide
5	Sulphate of potash	Product obtained chemically from potassium salts and containing potassium	47 % K_2O Potassium expressed as water-soluble K_2O.		Water-soluble potassium oxide Optional mention of the

No	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight); data on the expression of nutrients; other requirements	Other data on the type designation	Nutrient content to be declared; forms and solubilities of the nutrients; other criteria
1	2	3	4	5	6
		sulphate as its essential ingredient	Maximum chlorine content: 3 % Cl		chlorine content where lower than 3 % Cl
6	Sulphate of potash containing magnesium salt	Product obtained chemically from potassium salts, possibly with addition of magnesium salts, and containing potassium sulphate and magnesium sulphate as essential ingredients	22 % K_2O Potassium expressed as water-soluble K_2O 8 % MgO Magnesium in the form of water-soluble salts, expressed as magnesium oxide. Maximum chlorine content: 3 % Cl.	Usual trade names may be added	Water-soluble potassium oxide Water-soluble magnesium oxide Optional mention of the chlorine content where lower than 3 % Cl.
7	Kieserite with potassium sulphate	Product obtained from Kieserite with potassium sulphate added	8 % MgO Magnesium expressed as water-soluble MgO 6 % K_2O Potassium expressed as water-soluble K_2O Total MgO + K_2O: 20 % Maximum chlorine content: 3 %	Usual trade names may be added	Water-soluble potassium oxide Water-soluble magnesium oxide Optional mention of the chlorine content where lower than 3 % Cl.

B. LIST OF COMPOUND FERTILISER TYPES

1. NPK FERTILISERS

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
NPK fertiliser	Product obtained chemically or by blending, without addition of organic nutrients of animal or vegetable origin	20 % ($N + P_2O_5 + K_2O$)	3 % N 5 % P_2O_5 5 % K_2O	(1) Total nitrogen (2) Nitric nitrogen (3) Ammo-niacal nitrogen (4) Ureic nitrogen (5) Cyan-amide nitrogen	(1) Water-soluble P_2O_5 (2) P_2O_5 soluble in neutral ammonium citrate (3) P_2O_5 soluble in neutral ammonium citrate and in water (4) P_2O_5 soluble in mineral acids only (5) P_2O_5 soluble in alkaline ammonium citrate (Petermann) (6a) P_2O_5 soluble in mineral acids, of which at least 75 % of the declared P_2O_5 content is soluble in 2 % citric acid (6b) P_2O_5 soluble in 2 % citric acid	Water-soluble K_2O	(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (5) amounts to at least 1 % by weight, it must be declared	1. An NPK fertiliser free from Thomas slag, calcined phosphate, aluminium-calcium phosphate, partially solublized rock phosphate and soft ground rock phosphate must be declared in accordance with the solubilities (1), (2) or (3): - when the water-soluble P_2O_5 does not amount to 2 %, solubility (2) only shall be declared; - when the water-soluble P_2O_5 is at least 2 %, solubility (3)	(1) Water-soluble potassium oxide (2) The indication 'low in chlorine' is linked to a maximum content of 2 % Cl (3) Chlorine content may be declared

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
					(7) P_2O_5 soluble in mineral acids, of which at least 75 % of the declared P_2O_5 content is soluble in alkaline ammonium citrate (Joulie) (8) P_2O_5 soluble in mineral acids, of which at least 55 % of the declared P_2O_5 content is soluble in 2 % formic acid			shall be declared, and the water-soluble P_2O_5 content must be indicated (solubility (1)). The P_2O_5 content soluble in mineral acids only must not exceed 2 %. For this type 1, the test sample for determining solubilities (2) and (3) shall be 1 g. 2(a). An NPK fertiliser containing soft ground rock phosphate or partially solubilised rock phosphate must be free from Thomas slag, calcined phosphate and aluminium-calcium phosphate.	

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
				Particle size of the basic phosphatic ingredients: Thomas slag: a: least 75 % able to pass through a sieve with a mesh of 0.160 mm Aluminium-calcium phosphate: at least 90 % able to pass through a sieve with a mesh of 0.160 mm Calcined phosphate: at least 75 % able to pass through a sieve with a mesh of 0.160 mm Soft ground rock phosphate: at least 90 % able to pass through a sieve with a mesh of 0.063 mm Partially solubilized rock phosphate: at least 90 % able to pass through a sieve with a mesh of 0.160 mm				It shall be declared in accordance with solubilities (1), (3) and (4). This type of fertiliser must contain: - at least 2 % P_2O_5 soluble in mineral acids only (solubility (4)); - at least 5 % P_2O_5 soluble in water and neutral ammonium citrate (solubility (3)); - at least 2.5 % water-soluble P_2O_5 (solubility (1)). This type of fertiliser must be marketed under the designation 'NPK fertiliser containing	

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
								soft ground rock phosphate' or 'NPK fertilizer containing partially solubilized rock phosphate'. For this type 2(a), the test sample for determining solubility (3) shall be 3 g. 2(b) An NPK fertilizer containing aluminium-calcium phosphate must be free from Thomas slag, calcined phosphate, soft ground rock phosphate and partially solubilized rock phosphate. It shall be declared in accordance with solubilities (1) and (7), the latter applying after deduction of the solubility in water.	

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
								This type of fertilizer must contain: - at least 2 % of water-soluble P_2O_5 (solubility (1)); - at least 5 % of P_2O_5 according to solubility (7). This type of fertilizer must be marketed under the designation 'NPK fertilizer containing aluminium-calcium phosphate'. 2. In the case of NPK fertilizers containing only one of the following types of phosphatic fertilizer: Thomas slag, calcined phosphate,	

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
								aluminium-calcium phosphate, soft ground rock phosphate, the type designation must be followed by an indication of the phosphate ingredient. The declaration of the solubility of the P_2O_5 must be given in accordance with the following solubilities: - for fertilizers based on Thomas slag: solubility (6a) or (6b); - for fertilizers based on calcined phosphate: solubility (5); - for fertilizers	

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
								based on aluminium-calcium phosphate: solubility (7); - for fertilizers based on soft ground rock phosphate: solubility (8).	
NPK fertilizer containing crotonyl-idene diurea or isobutyl-idene diurea or urea form-aldehyde (as appropriate)	Product obtained chemically without addition of organic nutrients of animal or vegetable origin and containing crotonyl-idene diurea or isobutyl-idene diurea or urea formal-dehyde	20 % ($N + P_2O_5 + K_2O$)	5 % N At least ¼ of the declared content of total nitrogen must derive from nitrogen form (5) or (6) or (7). At least 3/5 of the declared nitrogen content (7) must be soluble in hot water	(1) Total nitrogen (2) Nitric nitrogen (3) Ammon-iacal nitrogen (4) Ureic nitrogen (5) Nitrogen from croton-ylidene diurea (6) Nitrogen from isobutyl-	(1) Water-soluble P_2O_5 (2) P_2O_5 soluble in neutral ammonium citrate (3) P_2O_5 soluble in neutral ammonium citrate and in water	Water-soluble K_2O	(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to at least 1 % by weight, it must be declared (3) One of the forms of nitrogen (5) to (7) (as appropriate) Nitrogen form (7) must be declared in the form of	An NPK fertilizer free from Thomas slag, calcined phosphate, aluminium-calcium phosphate, partially solubilised natural phosphate and natural phosphate must be declared in accordance with solubilities (1), (2) or (3): - when the water-soluble P_2O_5 does not amount to 2 %, solubility (2) only shall be declared,	(1) Water-soluble potassium oxide (2) The indication 'low in chlorine' is linked to a maximum content of 2 % Cl (3) Chlorine content may be declared

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
			5 % P_2O_5 5 % K_2O	idene diurea (7) Nitrogen from urea formal-dehyde (8) Nitrogen from urea formal-dehyde that is only soluble in hot water (9) Nitrogen from urea formal-dehyde that is soluble in cold water			nitrogen (8) and (9)	- when the water-soluble P_2O_5 is at least 2 %, solubility (3) shall be declared, and the water-soluble P_2O_5 content must be indicated [solubility (1)]. The P_2O_5 content soluble in mineral acids only must not exceed 2 %. The test sample for determining solubilities (2) and (3) shall be 1 g.	

2. NP Fertilizers

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
NP fertilizer	Product obtained chemically or by blending without addition of organic nutrients of animal or vegetable origin	18 % ($N + P_2O_5$)	3 % N 5 % P_2O_5	(1) Total nitrogen (2) Nitric nitrogen (3) Ammon-iacal nitrogen (4) Ureic nitrogen (5) Cyana-mide nitrogen	(1) Water-soluble P_2O_5 (2) P_2O_5 soluble in neutral ammonium citrate (3) P_2O_5 soluble in neutral ammonium citrate and in water (4) P_2O_5 soluble in mineral acids only (5) P_2O_5 soluble in alkaline ammonium citrate (Petermann) (6a) P_2O_5 soluble in mineral acids of which at least 75 % of the declared P_2O_5 content is soluble in 2 % citric acid (6b) P_2O_5 soluble in 2 % citric acid (7) P_2O_5 soluble in			1. An NP fertiliser free from Thomas slag, calcined phosphate, aluminium-calcium phosphate, partially solublized rock phosphate and soft ground rock phosphate must be declared in accordance with the solubilities (1), (2) or (3): - when the water-soluble P_2O_5 does not amount to 2 %, solubility (2) only shall be declared; - when the water-soluble P_2O_5 is at least 2 %, solubility (3) shall be declared, and	

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
					mineral acids of which at least 75 % of the declared P_2O_5 content is soluble in alkaline ammonium citrate (Joulie) (8) P_2O_5 soluble in mineral acids of which at least 55 % of the declared P_2O_5 content is soluble in 2 % formic acid			the water-soluble P_2O_5 content must be indicated (solubility (1)). The P_2O_5 content soluble in mineral acids only must not exceed 2 %. For this type 1, the test sample for determining solubilities (2) and (3) shall be 1 g. 2(a). An NP fertiliser containing soft ground rock phosphate or partially solubilised rock phosphate must be free from Thomas slag, calcined phosphate and aluminium-calcium phosphate. It shall be declared in accordance with	

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
				Particle size of the basic phosphatic ingredients: Thomas slag: at least 75 % able to pass through a sieve with a mesh of 0.160 mm Aluminium-calcium phosphate: at least 90 % able to pass through a sieve with a mesh of 0.160 mm Calcined phosphate: at least 75 % able to pass through a sieve with a mesh of 0.160 mm Soft ground rock phosphate: at least 90 % able to pass through a sieve with a mesh of 0.063 mm Partially solubilized rock phosphate: at least 90 % able to pass through a sieve with a mesh of 0.160 mm				solubilities (1), (3) and (4). This type of fertiliser must contain: - at least 2 % P_2O_5 soluble in mineral acids only (solubility (4)); - at least 5 % P_2O_5 soluble in water and neutral ammonium citrate (solubility (3)); - at least 2.5 % water-soluble P_2O_5 (solubility (1)). This type of fertiliser must be marketed under the designation 'NP fertiliser containing soft ground rock phosphate' or 'NP	

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
								fertilizer containing partially solubilized rock phosphate'. For this type 2(a), the test sample for determining solubility (3) shall be 3 g. 2(b) An NP fertilizer containing aluminium-calcium phosphate must be free from Thomas slag, calcined phosphate, soft ground rock phosphate and partially solubilized rock phosphate. It shall be declared in accordance with solubilities (1) and (7), the latter applying after deduction of the solubility in water.	

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
								This type of fertilizer must contain: - at least 2 % of water-soluble P_2O_5 (solubility (1)); - at least 5 % of P_2O_5 according to solubility (7). This type of fertilizer must be marketed under the designation 'NP fertilizer containing aluminium-calcium phosphate'. 3. In the case of NP fertilizers containing only one of the following types of phosphatic fertilizer: Thomas slag, calcined phosphate, aluminium-	

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
								calcium phosphate, soft ground rock phosphate, the type designation must be followed by an indication of the phosphate ingredient. The declaration of the solubility of the P_2O_5 must be given in accordance with the following solubilities: - for fertilizers based on Thomas slag: solubility (6a) or (6b); - for fertilizers based on calcined phosphate: solubility (5); - for fertilizers based on	

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
								aluminium-calcium phosphate: solubility (7); - for fertilizers based on soft ground rock phosphate: solubility (8).	
NP fertilizer containing crotonyl-idene diurea or isobutyl-idene diurea or urea form-aldehyde (as appropriate)	Product obtained chemically without addition of organic nutrients of animal or vegetable origin and containing crotonyl-idene diurea or isobutyl-idene diurea or urea formal-dehyde	18 % ($N + P_2O_5$)	5 % N At least ¼ of the declared content of total nitrogen must derive from nitrogen form (5) or (6) or (7). At least 3/5 of the declared nitrogen content (7) must be soluble in hot water 5 % P_2O_5	(1) Total nitrogen (2) Nitric nitrogen (3) Ammon-iacal nitrogen (4) Ureic nitrogen (5) Nitrogen from croton-ylidene diurea (6) Nitrogen from isobutyl-idene	(1) Water-soluble P_2O_5 (2) P_2O_5 soluble in neutral ammonium citrate (3) P_2O_5 soluble in neutral ammonium citrate and in water		(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to at least 1 % by weight, it must be declared (3) One of the forms of nitrogen (5) to (7) (as appropriate) Nitrogen form (7) must be declared in the form of nitrogen (8)	An NP fertilizer free from Thomas slag, calcined phosphate, aluminium-calcium phosphate, partially solubilised natural phosphate and natural phosphate must be declared in accordance with solubilities (1), (2) or (3): - when the water-soluble P_2O_5 does not amount to 2 %, solubility (2) only shall be declared, - when the water-soluble P_2O_5 is	

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
				diurea (7) Nitrogen from urea formal-dehyde (8) Nitrogen from urea formal-dehyde that is only soluble in hot water (9) Nitrogen from urea formal-dehyde that is soluble in cold water			and (9)	at least 2 %, solubility (3) shall be declared, and the water-soluble P_2O_5 content must be indicated [solubility (1)]. The P_2O_5 content soluble in mineral acids only must not exceed 2 %. The test sample for determining solubilities (2) and (3) shall be 1 g.	

3. NK Fertilizers

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
NK Fertilizer	Product obtained chemically or by blending, without addition of organic nutrients of animal or vegetable origin	18 % ($N + K_2O$)	3 % N 5 % K_2O	(1) Total nitrogen (2) Nitric nitrogen (3) Ammon-iacal nitrogen (4) Ureic nitrogen (5) Cyana-mide nitrogen		Water-soluble K_2O	(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (5) amounts to at least 1 % by weight, it must be declared		(1) Water-soluble potassium oxide (2) The indication 'low in chlorine' is linked to a maximum content of 2 % Cl (3) Chlorine content may be declared
NK fertilizer containing crotonyl-idene diurea or isobutyl-	Product obtained chemically without addition of organic nutrients of	18 % ($N + K_2O$)	5 % N At least ¼ of the declared content of total nitrogen	(1) Total nitrogen (2) Nitric nitrogen (3) Ammon-iacal		Water-soluble K_2O	(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to at		(1) Water-soluble potassium oxide (2) The indication 'low in

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10; particle size			Data for identification of the fertilisers; other requirements		
		Total	For each of the nutrients	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	2	3	4	5	6	7	8	9	10
idene diurea or urea form-aldehyde (as appropriate)	animal or vegetable origin and containing crotonyl-idene diurea or isobutyl-idene diurea or urea formal-dehyde		must derive from nitrogen form (5) or (6) or (7). At least 3/5 of the declared nitrogen content (7) must be soluble in hot water 5 % K_2O	nitrogen (4) Ureic nitrogen (5) Nitrogen from croton-ylidene diurea (6) Nitrogen from isobutyl-idene diurea (7) Nitrogen from urea formal-dehyde (8) Nitrogen from urea formal-dehyde that is only soluble in hot water (9)			least 1 % by weight, it must be declared (3) One of the forms of nitrogen (5) to (7) (as appropriate) Nitrogen form (7) must be declared in the form of nitrogen (8) and (9)		chlorine' is linked to a maximum content of 2 % Cl (3) Chlorine content may be declared