

16 Production of fertilisers, processing of animal carcasses, chemical earth treatment**16 (IPC: C05) Manufacture of fertilisers****Note:**

An ingredient in a mixture of fertilisers, or a single fertiliser which contains more than one of the chemical elements on which the division into subclasses is based, is classified only in the first of the appropriate subclasses. Thus, a nitrophosphate or an ammoniated superphosphate is classified in 16a but not in 16b, magnesium phosphate is classified in 16a but not in 16c, and calcium cyanamide in 16b but not in 16c.

16 Production of fertilisers, processing of animal carcasses, chemical earth treatment**16a (IPC: C05B) Phosphatic fertilisers****16b (IPC: C05C) Nitrogenous fertilisers****16c (IPC: C05D) Inorganic fertilisers not covered by subclasses 16a, 16b; Fertilisers producing carbon dioxide****16d (IPC: C05F) Organic fertilisers not covered by subclasses 16a, 16b****16e (IPC: C05G) Mixtures of fertilisers belonging individually to different subclasses of class 16; Mixtures of fertilisers with materials not having a specific fertilising activity****16 Production of fertilisers, processing of animal carcasses, chemical earth treatment****Inorganic fertilisers**

16-1 Superphosphate

16-2 Dicalciumphosphate, precipitate

16-3 Thomas slags

16-4 Alkali phosphates (12i-31)

16-5 Phosphates except superphosphates, dicalcium phosphate, Thomas slags and alkali phosphates (12i-31)

16-6 Miscellaneous inorganic fertilisers

Organic fertilisers

16-7 Processing animal carcasses and offal

16-8 Fertilisers from residues

16-9 Fertilisers from stable manure

16-10 Fertilisers from faeces

16-11 Fertilisers from sewage

16-12 Fertilisers from refuse

16-13 Calcium cyanamide

16-14 Miscellaneous organic fertilisers

16-15 Fertilisers containing trace elements, bacterial cultures, vitamins, hormones and antibiotics

16-16 Soil improvement agents

16-17 Chemical earth treatment and fertilisation processes

16a	(IPC: C05B) Phosphatic fertilisers
16a-1/00	Superphosphates, i.e. fertilisers produced by reacting rock or bone phosphates with sulphuric or phosphoric acid in such amounts and concentrations as to yield solid products directly
16a-1/02	. Superphosphates
16a-1/04	. Double-superphosphate; Triple-superphosphate; Other fertilisers based essentially on monocalcium phosphate
16a-1/06	. Ammoniation of superphosphates (fertilisers based essentially on ammonium orthophosphate 16a-7/00)
16a-1/10	. Apparatus for the manufacture of superphosphates
16a-3/00	Fertilisers based essentially on di-calcium phosphate (16a-11/00 takes precedence)
16a-5/00	Thomas phosphate; Other slag phosphates
16a-7/00	Fertilisers based essentially on alkali or ammonium orthophosphates (16a-11/00 takes precedence)
16a-9/00	Fertilisers based essentially on phosphates or double phosphates of magnesium (16a-11/00 takes precedence)
16a-11/00	Fertilisers produced by wet-treating or leaching raw materials either with acids in such amounts and concentrations as to yield solutions followed by neutralisation, or with alkaline lyes
16a-11/02	. Pretreatment
16a-11/04	. using mineral acid
16a-11/06	. . using nitric acid (nitrophosphates)
16a-11/08	. . using sulphuric acid
16a-11/10	. . using orthophosphoric acid
16a-11/12	. . using aqueous hydrochloric acid
16a-11/14	. . using wet gaseous acids
16a-11/16	. using alkaline lyes
16a-13/00	Fertilisers produced by pyrogenic processes from phosphatic materials
16a-13/02	. from rock phosphates (16a-13/06 takes precedence)
16a-13/04	. from metallic phosphorus compounds, e.g. ferro-phosphorus
16a-13/06	. Alkali and alkaline earth meta- or polyphosphate fertilisers
16a-15/00	Organic phosphatic fertilisers (bone meal 16a-17/00)
16a-17/00	Other phosphatic fertilisers, e.g. soft rock phosphates, bone meal
16a-17/02	. containing manganese
16a-19/00	Granulation or pelletisation of phosphatic fertilisers other than slag (granulating apparatus 12g-1/01; granulating slag 80b-5/05)
16a-19/02	. of superphosphates or mixtures containing them
16a-21/00	Mixtures of phosphatic fertilisers
16b	(IPC: C05C) Nitrogenous fertilisers
16b-1/00	Ammonium nitrate fertilisers
16b-1/02	. Granulation (apparatus 12g-1/01); Pelletisation; Stabilisation; Colouring
16b-3/00	Fertilisers containing other salts of ammonia or ammonia itself, e.g. gas liquor
16b-5/00	Fertilisers containing other nitrates
16b-5/02	. containing sodium or potassium nitrate
16b-5/04	. containing calcium nitrate

16b-7/00	Fertilisers containing calcium or other cyanamides
16b-7/02	. Granulation (apparatus 12g-1/01); Pelletisation; De-gassing; Hydrating; Hardening; Stabilisation; Oiling
16b-9/00	Fertilisers containing urea or urea compounds
16b-9/02	. containing urea-formaldehyde condensates
16b-11/00	Other nitrogenous fertilisers
16b-13/00	Mixtures of nitrogenous fertilisers
16c	(IPC: C05D) Inorganic fertilisers not covered by subclasses 16a, 16b; Fertilisers producing carbon dioxide
16c-1/00	Fertilisers containing potassium (16c-7/00 takes precedence)
16c-1/02	. Manufacture from potassium chloride or sulphate or double or mixed salts thereof
16c-1/04	. from minerals or volcanic rocks
16c-3/00	Calcareous fertilisers (16c-7/00 takes precedence)
16c-3/02	. from limestone, calcium carbonate, calcium hydrate, slaked lime, calcium oxide, waste calcium compounds
16c-3/04	. from blast-furnace slag or other slags containing lime or calcium silicates
16c-5/00	Fertilisers containing magnesium (16c-7/00 takes precedence)
16c-7/00	Fertilisers producing carbon dioxide
16c-9/00	Other inorganic fertilisers
16c-9/02	. containing trace elements
16c-11/00	Mixtures of fertilisers, each belonging to sub-class 16c
16d	(IPC: C05F) Organic fertilisers not covered by subclasses 16a, 16b, e.g. fertilisers made from waste or refuse
16d-1/00	Fertilisers made from animal corpses, or parts thereof
16d-1/02	. Apparatus for the manufacture
16d-3/00	Fertilisers from human or animal excrements, e.g. manure
16d-3/02	. Guano
16d-3/04	. from human faecal masses
16d-3/06	. Apparatus for the manufacture
16d-5/00	Fertilisers from distillery wastes, molasses, vinasses, sugar plant, or similar wastes or residues
16d-7/00	Fertilisers from waste water, sewage sludge, sea slime, ooze or similar masses
16d-7/02	. from sulphite liquor or other waste lyes from the manufacture of cellulose
16d-7/04	. from waste liquors in the potash industry
16d-9/00	Fertilisers from household or town refuse
16d-9/02	. Apparatus for the manufacture
16d-9/04	. Biological compost
16d-11/00	Other organic fertilisers
16d-11/02	. from peat, brown coal, and similar vegetable deposits
16d-11/04	. . Horticultural earth ("Gärtnerische Erden") from peat
16d-11/06	. . Apparatus for the manufacture
16d-11/08	. Organic fertilisers containing added bacterial cultures, mycelia or the like
16d-11/10	. Fertilisers containing plant vitamins or hormones
16d-13/00	Mixtures of fertilisers, each belonging to sub-class 16d
16e	(IPC: C05G) Mixtures of fertilisers belonging individually to different subclasses of class 16; Mixtures of fertilisers with

materials not having a specific fertilising activity, e.g. pesticides, soil conditioners, wetting agents (organic fertilisers containing added bacterial cultures, mycelia, or the like 16d-11/08; organic fertilisers containing plant vitamins or hormones 16d-11/00)

16e-1/00 Mixtures of fertilisers belonging individually to different sub-classes of class 16

- 16e-1/02 . of superphosphates with ammonium nitrate
- 16e-1/04 . of Thomas phosphates with potassium compounds
- 16e-1/06 . of alkali or ammonium orthophosphates with ammonium nitrate or ammonium sulphate or other nitrates or potassium compounds
- 16e-1/08 . of ammonium nitrate with limestone or calcium carbonate
- 16e-1/10 . of ammonium sulphate with potassium compounds

16e-3/00 Mixtures of one or more fertilisers with materials not having a specifically fertilising activity

- 16e-3/02 . with pesticides
- 16e-3/04 . with soil conditioners
- 16e-3/06 . with wetting agents
- 16e-3/08 . with agents affecting the nitrification of ammonium compounds or urea in the soil