

## SCHEDULE 2

### HAZARDOUS SUBSTANCES AND CONTROLLED QUANTITIES

#### NOTES TO PART A

##### 1. Ammonium nitrate: fertilisers capable of self-sustaining decomposition

This applies to ammonium nitrate-based compound/composite fertilisers (compound/composite fertilisers containing ammonium nitrate with phosphate and/ or potash) in which the nitrogen content as a result of ammonium nitrate is

- (a) between 15.75 per cent (1) and 24.5 per cent(2) by weight, and either with not more than 0.4 per cent total combustible/organic materials or which satisfy the detonation resistance test described in Schedule 2 to the Ammonium Nitrate Materials (High Nitrogen Content) Safety Regulations 2003(3),
- (b) 15.75 per cent by weight or less and unrestricted combustible materials,

and which are capable of self-sustaining decomposition according to the UN Trough Test (see United Nations Recommendations on the Transport of Dangerous Goods: Manual of Tests and Criteria, Part III, sub-section 38.2).

##### 2. Ammonium nitrate: fertiliser grade

This applies to straight ammonium nitrate-based fertilisers and to ammonium nitrate-based compound/composite fertilisers in which the nitrogen content as a result of ammonium nitrate is

- (a) more than 24.5 per cent by weight, except for mixtures of ammonium nitrate with dolomite, limestone and/or calcium carbonate with a purity of at least 90 per cent,
- (b) more than 15.75 per cent by weight for mixtures of ammonium nitrate and ammonium sulphate,
- (c) more than 28 per cent(4) by weight for mixtures of ammonium nitrate with dolomite, limestone and/or calcium carbonate with a purity of at least 90 per cent,

and which satisfy the detonation resistance test described in Schedule 2 to the Ammonium Nitrate Materials (High Nitrogen Content) Safety Regulations 2003.

##### 3. Ammonium nitrate: technical grade

This applies to

- (a) ammonium nitrate and preparations of ammonium nitrate in which the nitrogen content as a result of the ammonium nitrate is
  - (i) between 24.5 per cent and 28 per cent by weight, and which contain not more than 0.4 per cent combustible substances,
  - (ii) more than 28 per cent by weight, and which contain not more than 0.2 per cent combustible substances,
- (b) aqueous ammonium nitrate solutions in which the concentration of ammonium nitrate is more than 80 per cent by weight.

##### 4. Ammonium nitrate: “off-specs” material and fertilisers not fulfilling the detonation resistance test

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- (1) 15.75 per cent nitrogen content by weight as a result of ammonium nitrate corresponds to 45 per cent ammonium nitrate
  - (2) 24.5 per cent nitrogen content by weight as a result of ammonium nitrate corresponds to 70 per cent ammonium nitrate
  - (3) [S.I. 2003/1082](#)
  - (4) 28 per cent nitrogen content by weight as a result of ammonium nitrate corresponds to 80 per cent ammonium nitrate.

*Status: This is the original version (as it was originally made).*

This applies to

- (a) material rejected during the manufacturing process and to ammonium nitrate and preparations of ammonium nitrate, straight ammonium nitrate-based fertilisers and ammonium nitrate-based compound/composite fertilisers referred to in Notes 2 and 3, that are being or have been returned from the final user to a manufacturer, temporary storage or reprocessing plant for reworking, recycling or treatment for safe use, because they no longer comply with the specifications of Notes 2 and 3; and
- (b) fertilisers referred to in Note 1(a) and Note 2 which do not satisfy the detonation resistance test described in Schedule 2 to the Ammonium Nitrate Materials (High Nitrogen Content) Safety Regulations 2003.

5. Potassium nitrate: composite potassium-nitrate based fertilisers composed of potassium nitrate in prilled/granular form.

6. Potassium nitrate: composite potassium-nitrate based fertilisers composed of potassium nitrate in crystalline form.

7. Polychlorodibenzofurans and polychlorodibenzodioxins.

The quantities of polychlorodibenzofurans and polychlorodibenzodioxins are calculated using the following factors:

<i>International Toxic Equivalent Factors (ITEF) for the congeners of concern (NATO/CCMS)(5)</i>			
2,3,7,8-TCDD	1	2,3,7,8-TCDF	0.1
1,2,3,7,8-Pe-CDD	0.5	2,3,4,7,8-PeCDF	0.5
		1,2,3,7,8-PeCDF	0.05
1,2,3,4,7,8-HxCDD	0.1	1,2,3,4,7,8-HxCDF	0.1
1,2,3,6,7,8-HxCDD	0.1	1,2,3,7,8,9-HxCDF	0.1
1,2,3,7,8,9-HxCDD	0.1	1,2,3,6,7,8-HxCDF	0.1
		2,3,4,6,7,8-HxCDF	0.1
1,2,3,4,6,7,8-HpCDD	0.01		
OCDD	0.001	1,2,3,4,6,7,8-HpCDF	0.01
		1,2,3,4,7,8,9-HpCDF	0.01
		OCDF	0.001

(T=tetra, Pe=penta, Hx=hexa, Hp=hepta, O=octa)

8. Entry number 67

The controlled quantity of 25 tonnes in column 2 of entry 67 refers, in case of a mixture of substances, to the quantity of substances within the mixture held above their boiling point (measured at 1 bar absolute).