

#### Notes:

1. Specially designed components for the equipment embargoed by this Item include:
  - a. Pneumatic tyre casings of a kind specially constructed to be bullet-proof or to run when deflated;
  - b. Engines and power transfer systems for the propulsion of the vehicles embargoed by sub-items a. to i., specially designed or modified for military use including specially designed components therefor;
  - c. Tyre inflation pressure control systems, operated from inside a moving vehicle, specially designed or modified for military use;
  - d. Suspensions specially designed or modified for military use.
2. Vehicles embargoed by sub-item i. include tank transporters, tracked amphibious cargo carriers, high speed tractors, heavy artillery transporters, bridge laying vehicles and specialised bulk refuellers.

#### 2007. Toxicological agents, "tear gases", related equipment, components, materials and technology as follows:

- a. Biological agents and radioactive materials "adapted for use in war" to produce casualties in men or animals, degrade equipment or damage crops or the environment, and chemical warfare (CW) agents;
- b. CW binary precursors, as follows:
  1. DF: Methyl Phosphonyldifluoride (CAS 676-99-3);
  2. QL: o-Ethyl-2-di-isopropylamino ethyl methylphosphonite (CAS 37836-11-8);
- c. "Tear gases" and "riot control agents" including:
  1. Bromobenzyl cyanide (CA);
  2. o-Chlorobenzylidenemalononitrile (o-Chlorobenzalmononitrile) (CS);
  3. Phenylacetyl chloride (w-chloroacetophenone) (CN);
- d. Equipment specially designed or modified for the dissemination of the materials or agents embargoed by a. and specially designed components therefor;
- e. Equipment specially designed or modified for defence against materials or agents embargoed by a., and specially designed components therefor;
- f. Equipment specially designed or modified for the detection or identification of materials or agents embargoed by a., and specially designed components therefor;
- g. "Biopolymers" specially designed or processed for the detection or identification of CW agents embargoed by a., and the cultures of specific cells used to produce them;
- h. "Biocatalysts" for the decontamination or degradation of CW agents, and biological systems therefor, as follows:
  1. "Biocatalysts" specially designed for the decontamination or degradation of CW agents embargoed by a. resulting from directed laboratory selection or genetic manipulation of biological systems;
  2. Biological systems, as follows: "expression vectors", viruses or cultures of cells containing the genetic information specific to the production of "biocatalysts" embargoed by h.1.;
- i. "Technology" as follows:
  1. "Technology" for the "development", "production" or "use" of toxicological agents, related equipment or components embargoed by a. to f.;
  2. "Technology" for the "development", "production" or "use" of "biopolymers" or cultures of specific cells embargoed by g.;
  3. "Technology" exclusively for the incorporation of "biocatalysts", embargoed by h.1., into military carrier substances or military material.

#### Notes:

1. Sub-item a. includes the following CW agents:
  - a. o-Alkyl (equal to or less than C<sub>10</sub>, including cycloalkyl) alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) - phosphonofluoridates, such as: Sarin (GB):o-Isopropyl methylphosphonofluoridate (CAS 107-44-8); and So man (GD):o-Pinacolyl methylphosphonofluoridate (CAS 96-64-0);
  - b. o-Alkyl (equal to or less than C<sub>10</sub>, including cycloalkyl) N,N-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphoramidocyanidates, such as: Tabun (GA):o-Ethyl N,N-dimethylphosphoramidocyanidate (CAS 77-81-6);
  - c. o-Alkyl (H or equal to or less than C<sub>10</sub>, including cycloalkyl) S-2-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl)-aminoethyl alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphonothiolates and corresponding alkylated and protonated salts, such as: VX: o-Ethyl S-2-diisopropylaminoethyl methyl phosphonothiolate (CAS 50782-69-9);

- d. Sulphur mustards, such as:
    - 2-Chloroethylchloromethylsulphide (CAS 2625-76-5);
    - Bis(2-chloroethyl) sulphide (CAS 505-60-2);
    - Bis(2-chloroethylthio) methane (CAS 63869-13-6);
    - 1,2-bis (2-chloroethylthio) ethane (CAS 3563-36-8);
    - 1,3-bis (2-chloroethylthio) -n-propane (CAS 63905-10-2);
    - 1,4-bis (2-chloroethylthio) -n-butane;
    - 1,5-bis (2-chloroethylthio) -n-pentane;
    - Bis (2-chloroethylthiomethyl) ether;
    - Bis (2-chloroethylthioethyl) ether (CAS 63918-89-8);
  - e. Lewisites, such as:
    - 2-chlorovinylchloroarsine (CAS 541-25-3);
    - Bis (2-chlorovinyl) chloroarsine (CAS 40334-69-8);
    - Tris (2-chlorovinyl) arsine (CAS 40334-70-1);
  - f. Nitrogen mustards, such as:
    - HN1: bis (2-chloroethyl) ethylamine (CAS 538-07-8);
    - HN2: bis (2-chloroethyl) methylamine (CAS 51-75-2);
    - HN3: tris (2-chloroethyl) amine (CAS 555-77-1);
  - g. 3-Quinuclidinyl benzilate (BZ) (CAS 6581-06-2).
2. Sub-item e. includes air conditioning units specially designed or modified for nuclear, biological or chemical filtration.
  3. Sub-item a. does not embargo:
    - a. Cyanogen chloride;
    - b. Hydrocyanic acid;
    - c. Chlorine;
    - d. Carbonyl chloride (phosgene);
    - e. Diphosgene (trichloromethyl-chloroformate);
    - f. Ethyl bromoacetate;
    - g. Xylyl bromide;
    - h. Benzyl bromide;
    - i. Benzyl iodide;
    - j. Bromo acetone;
    - k. Cyanogen bromide;
    - l. Bromo methylethylketone;
    - m. Chloro acetone;
    - n. Ethyl iodoacetate;
    - o. Iodo acetone;
    - p. Chloropicrine.
  4. Sub-items e. and f. do not embargo:
    - a. Personal radiation monitoring dosimeters;
    - b. Masks for protection against specific industrial hazards, such as fumes or powders in mining, quarrying or chemical plants;
    - c. Gas masks designed for civilian use.
  5. The technology, cultures of cells and biological systems listed in sub-items g., h.2. and i.3. are exclusive and these sub-items do not embargo technology, cells or biological systems for civil purposes, such as agricultural, pharmaceutical, medical, veterinary, environmental, waste management, or in the food industry.

#### 2008. Military explosives and fuels, "additives" and "precursors" therefor; and liquid oxidizers, as follows:

- a. "Military high explosives";
- b. "Military propellants";
- c. "Military pyrotechnics";
- d. Military high-energy solid or liquid fuels, including aircraft fuels specially formulated for military purposes;
- e. Liquid oxidizers comprised of or containing inhibited red fuming nitric acid (IRFNA) or oxygen difluoride.

#### Notes:

1. Military explosives and fuels are substances and mixtures which contain any of the materials in paragraph a. or meet any of the parameters in paragraph b. of this Note:
  - a. Contain any of the following materials:
    1. Spherical aluminium powder with a particle size of 60 µm or less, manufactured from material with an aluminium content of 99% or more;