

War Weapons List
(as amended by the ninth regulation amending the
War Weapons List of 26 February 1998, Federal Law Gazette I, p. 385)

Part A

War Weapons
that the Federal Republic of Germany undertakes not to manufacture
(Nuclear weapons, biological and chemical weapons)

All apparatus, parts, equipment, installations, substances and organisms, which are used for civilian purposes or for scientific, medical and industrial research in the fields of pure and applied science shall be excluded from this definition. The substances and organisms of numbers 3 and 5, as far as they serve the purpose of prevention, protection and proof shall also be excluded¹.

I. Nuclear Weapons

1. Any weapon which contains, or is designed to contain or utilise, nuclear fuel or radioactive isotopes and which is capable of mass destruction, mass injury or mass poisoning.
2. Any part, device, assembly or material especially designed for, or primarily useful in, any weapon as set forth under paragraph (1), where no licences subject to the Atomic Energy Act have been granted.

Definition:

Nuclear fuel includes plutonium, uranium 233, uranium 235 (including uranium 235 contained in uranium enriched to over 2.1 per cent by weight of uranium 235) and any other material capable of releasing substantial quantities of atomic energy through nuclear fission or fusion or other nuclear reaction of the material. The foregoing material shall be considered to be nuclear fuel regardless of the chemical or physical form in which they exist.

¹ In case of a civil use of biological agents specified under item 3 letter b, the export restrictions shall be observed based on

- Council Regulation (EC) No. 1334/2000 of 22 June 2000 setting up a Community regime for the control of dual-use items and technologies (OJ EC No. L, 159, p. 1) and
- the provisions of the Foreign Trade and Payments Regulation, particularly sections 5 and 7.

Additional restrictions, declaration requirements and inspection provisions apply to Ricin and Saxitoxin (item 3.1, letter d and items 4 and 5) pursuant to the Act Implementing the Chemical Weapons Convention of 2 August 1994, FG I, p. 1954) and the Regulation Implementing the Chemical Weapons Convention of 20 November 1996 (FG I, p. 1794), as amended by the first regulation amending the regulation implementing the Chemical Weapons Convention of 14 April 2000 (FG I, p. 530)

II. Biological Weapons

3. Biological warfare agents

- a) harmful insects and their toxic products
- b) biological agents (micro-organisms, viruses, fungi and toxins); in particular:

3.1 human and animal pathogens as well as toxins

a) viruses as follows:

1. Chikunguya virus
2. Congo-Crimean haemorrhagic fever virus,
3. Dengue fever virus,
4. Eastern equine encephalitis virus,
5. Ebola virus,
6. Hantaan virus,
7. Junin virus
8. Lassa fever virus,
9. Lymphocytic choriomeningitis virus,
10. Machupo virus,
11. Marburg virus,
12. Monkey pox virus,
13. Rift Valley fever virus,
14. Tick-borne encephalitis virus (Russian Spring-Summer encephalitis virus)
15. Variola virus,
16. Venezuelan equine encephalitis virus,
17. Western equine encephalitis virus,
18. White pox virus,
19. Yellow fever virus,
20. Japanese encephalitis virus,

b) Rickettsiae as follows:

1. Coxiella burnetii,
2. Bartonella quintana (Rochalimaea quintana, Rickettsia quintana),
3. Rickettsia prowazekii,
4. Rickettsia rickettsii;

c) Bacteria as follows:

1. Bacillus anthracis,
2. Brucella abortus,
3. Brucella melitensis,
4. Brucella suis,

5. Chlamydia psittaci,
 6. Clostridium botulinum,
 7. Francisella tularensis,
 8. Burkholderia mallei (Pseudomonas pseudomallei),
 9. Burkholderia pseudomallei (Pseudomonas pseudomallei)
 10. Salmonella typhi,
 11. Shigella dysenteriae,
 12. Vibrio cholerae,
 13. Yersinia pestis;
- d) Toxins as follows:
1. Clostridium botulinum toxins
 2. Clostridium perfringens toxins,
 3. Conotoxin,
 4. Ricin
 5. Saxitoxin
 6. Shiga toxin
 7. Staphylococcus aureus toxins
 8. Tetrodotoxin
 9. Verotoxin
 10. Microcystin (Cyanoginoson);

3.2 Animal pathogens as follows:

- a) Viruses as follows:
1. African swine fever virus,
 2. Avian influenza viruses as follows:
 - a) uncharacterised or
 - b) viruses with high pathogenicity as defined in Council Directive 92/40/EEC of 19 June 1992 introducing Community measures for the control of avian influenza (OJ EC, No. L 167, p. 1) as follows:
 - aa) type A viruses with an IVPI (intravenous pathogenicity index) in six week old chickens of greater than 1.2, or
 - bb) type A viruses of subtype H5 or H7 for which the nucleotide sequencing has demonstrated multiple basic amino acids at the cleavage site of haemagglutinine,
 3. Bluetongue virus
 4. Foot and mouth disease virus,
 5. Goat pox virus,
 6. Herpes virus (Aujeszky's disease)

7. Hog cholera virus (swine fever virus),
8. Lyssa virus,
9. Newcastle disease virus
10. Peste des petits ruminants virus
11. Porcine enterovirus type 9 (swine vesicular disease virus)
12. Rinderpest virus,
13. Sheep pox virus,
14. Teschen disease virus,
15. Vesicular stomatitis virus;

b) Bacteria as follows:

Mycoplasma mycoides;

3.3. plant pathogens

a) Bacteria as follows:

1. *Xanthomonas albilineans*,
2. *Xanthomonas campestris* pv. *citri*, including stems arising therefrom like *Xanthomonas campestris* pv. *citri* types A, B, C, D, E or differently classified ones, like *Xanthomonas citri*, *Xanthomonas campestris* pv. *arantifolia* or *Xanthomonas* pv. *campestris* pv. *citromelo*;

b) Fungi as follows:

1. *Colletotrichum coffeanum* var. *virulans* (*Colletotrichum kahawae*),
2. *Cochliobolus miyabeanus* (*Helminthosporium oryzae*),
3. *Micricyclus ulei* (syn. *Dothidella ulei*),
4. *Puccinia graminis* (sy. *Puccinia graminis* f. sp. *tritici*),
5. *Puccinia striiformis* (syn. *Puccinia glumarum*),
6. *Magnaporthe grisea* (*Pyricularia grisea*/*Pyricularia oryzae*);

3.4 genetically modified micro-organisms as follows:

- a) genetically modified micro-organisms or genetic elements that contain nucleic acid sequences associated with the pathogenicity of any of the micro-organisms listed in sub-item 3.1 letters a, b, or c or sub-items 3.2 or 3.3,
- b) genetically modified micro-organisms or genetic elements that contain nucleic acid sequences coding for any of the toxins referred to in sub-item 3.1 letter d.

4. Facilities or devices specially designed to use the biological agents specified in item 3 for military purposes, as well as components and assemblies specially designed for use in such a weapon.

III. Chemical weapons

5. A Toxic chemicals

(Chemical Abstracts Service Registry Number: CAS)

a) O-Alkyl ($\leq C_{10}$ incl. cycloalkyl) alkyl (Me, Et, n-Pr oder i-Pr)-phosphonofluoridates, e. g.

Sarin: O-Isopropyl methylphosphonofluoridate (107-44-8)

Soman: O-Pinacolyl methylphosphonofluoridate (96-64-0)

b) O-Alkyl ($\leq C_{10}$ incl. cycloalkyl)-N,N-dialkyl (Me, Et, n-Pr oder i-Pr)-phosphoramido-cyanidates, e. g.

Tabun: O-Ethyl N,N-dimethyl phosphoramido cyanidate (77-81-6)

c) O-Alkyl (H oder $\leq C_{10}$ incl. cycloalkyl)-S-2-dialkyl (Me, Et, n-Pr oder i-Pr)-aminoethyl alkyl (Me, Et, n-Pr oder i-Pr)-phosphonothiolates and corresponding alkylated or protonated salts, e. g.

VX: O-Ethyl-S-2-diisopropyl-minoethyl methyl phosphonothiolate (50782-69-9)

d) Sulfur mustards: 2-Chloroethylchloromethylsulfide (2625-76-5)

Mustard gas: Bis(2-chloroethyl)-sulfide . (505-60-2)

Bis(2-chlorethylthio)-methane (63869-13-6)

Sesquimustard: 1,2-Bis(2-chloroethylthio)ethane (3563-36-8)

1,3-Bis(2-chloroethylthio)-n-propane (63905-10-2)

1,4-Bis(2-chloroethylthio)-n-butane. (142868-93-7)

1,5-Bis(2-chloroethylthio)-n-pentane (142868-94-8)

Bis(2-chloroethylthiomethyl)ether (63918-90-1)

O-Mustard: Bis(2-chloroethylthioethyl)ether (63918-89-8)

e) Lewisites: Lewisite 1: 2-Chlorovinyl-dichloroarsine (541-25-3)

Lewisite 2: Bis(2-chlorovinyl)-chloroarsine (40334-69-8)

Lewisite 3: Tris(2-chlorovinyl)-arsine (40334-70-1)

f) Nitrogen mustards: HN1: Bis(2-chloroethyl)-ethylamine (538-07-8)

HN2: Bis(2-chloroethyl)-methylamine (51-75-2)

HN3: Tris(2-chloroethyl)-amine (555-77-1)

g) BZ: 3-Chinuclidinylbenzilate (6581-06-2)

B. Precursors

a) Alkyl (ME, ET, n-Pr or i-Pr)-phosphonyl-difluorides, e. g.

DF: Methylphosphonyl difluoride (676-99-3)

b) O-Alkyl(H oder $\leq C_{10}$ incl. cycloalkyl)-O-2-dialkyl(Me, Et, n-Pr oder i-Pr)-aminoethyl alkyl (Me, Et, n-Pr oder i-Pr) phosphonites and corresponding alkylated and protonated salts, e. g.

QL: O-Ethyl-O-2-diisopropylaminoethylmethyl-phosphonite (57856-11-8)

c) Chlorosarin O-Isopropyl methyl phosphonochloridate (1445-76-7)

d) Chlorosoman O-Pinacolyl methylphosphonochloridate (7040-57-5)

6. Facilities or devices specially designed to use the chemical agents specified in item 5 for military purposes, as well as components or assemblies specially designed for use in such weapons.

Part B

Other War Weapons

I. Projectiles

7. Guided projectiles
8. Unguided projectiles (missiles)
9. Other projectiles
10. Firing devices (launchers and launching equipment) for the weapons listed in items 7 to 9, including portable firing devices for guided projectiles to combat tanks and aircraft
11. Firing devices for weapons listed in item 8, including portable firing devices as well as rocket launchers
12. Aero-engines for the propulsion of the weapons specified in items 7 to 9

II. Combat Aircraft and Helicopters

13. Combat aircraft having at least one of the following features:
 1. integrated weapon system equipped particularly with target acquisition, firing control and relevant interfaces for avionics,
 2. integrated electronic armaments
 3. integrated electronic combat system
14. Combat helicopters having at least on of the following features:
 1. integrated weapon system equipped particularly with target acquisition, firing control and relevant interfaces for avionics,
 2. integrated electronic armaments,
 3. integrated electronic combat system
15. Cells for the weapons listed in items 13 and 14
16. Jet, turboprop and rocket engines for the weapons under item 13

III. Vessels of War and Special Naval Equipment

17. Vessels of war, including those for military training
18. Submarines
19. Small vessels with a speed of more than 30 knots, equipped with offensive weapons
20. Mine sweeping boats, mine hunting boats, mine layers, mine breakers as well as other mine combat boats
21. Landing crafts, landing vessels
22. Tenders, ammunition transporters
23. Hulls for the weapons listed under items 17 to 22

IV. Combat Vehicles

24. Combat tanks
25. Other armoured combat vehicles, including combat-supporting armoured vehicles
26. Any type of special vehicles, exclusively designed for the use of weapons listed under items 1 to 6
27. Carriages for the weapons listed under items 24 and 25
28. Turrets for combat tanks

V. Barrel Weapons

29.
 - a) Machine guns, except those with water cooling
 - b) Machine pistols, except those introduced as a model in a military armed force before 1 September 1939*
 - c) Fully automatic rifles, except those introduced as a model in a military armed force before 2 September 1945
 - d) Semiautomatic rifles except those introduced as a model in a military armed force before 2 September 1945, and rifles for hunting and sporting purposes **.
 30. Machine guns, rifles, pistols for combat grenades
 31. Cannons, howitzers, any kind of mortars
 32. Automatic cannons
 33. Armoured self-propelled guns for the weapons listed under items 31 and 32
 34. Barrels for the weapons listed under items 29, 31 and 32
 35. Breech blocks for weapons listed under items 29, 31 and 32
 36. Revolving breeches for automatic cannons
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**VI. Light Anti-Tank Weapons, Military Flame Throwers,
Mine-Laying and Mine-Throwing Systems**

- 37. Recoilless, unguided, portable anti-tank weapons
- 38. Flame throwers
- 39. Mine laying and mine-throwing systems for land mines

VII. Torpedoes, Mines, Bombs. Independent Ammunition

- 40. Torpedoes
- 41. Torpedoes without warheads (explosives)
- 42. Torpedo bodies (torpedoes without warhead – explosive – and without target detection device)
- 43. Mines of all types
- 44. Bombs of all types, including water bombs
- 45. Hand flame cartridges
- 46. Hand grenades
- 47. Infantry explosive devices, adhesive and hollow charges as well as mine-sweeping devices
- 48. Explosive charges for the weapons of item 43

VIII. Other Ammunition

- 49. Ammunition for the weapons listed under items 31 and 32
- 50. Ammunition for the weapons listed under item 29a, c and d, except cartridge ammunition having a soft core projectile with full casing, provided that the projectile does not contain any accessories, particularly a flare, incendiary or explosive charge, and where cartridge ammunition of the same calibre is used for hunting and sporting purposes
- 51. Ammunition for weapons of item 30
- 52. Ammunition for the weapons listed under items 37 and 39
- 53. Rifle grenades
- 54. Projectiles for the weapons listed under items 49 and 52.
- 55. Propelling charges for the weapons listed under items 49 and 52.

IX. Other Essential Components

- 56. War heads for the weapons listed under items 7 to 9 and 40

- 57. Ignition charges for the weapons listed under items 7 to 9, 40, 43, 44, 46, 47, 49, 51 to 53 and 59, except propellant charge ignitors
- 58. Target detection heads for the weapons listed under items 7, 9, 40, 44, 49, 59 and 60
- 59. Submunition for the weapons listed under items 7 to 9, 44, 49 and 61
- 60. Submunition without ignition for the weapons listed under items 7 to 9, 44, 49 and 61

X. Dispensers

- 61. Dispensers for the systematic distribution of submunition

XI. Laser weapons

- 62. Laser weapons specially designed for causing permanent loss of eyesight