

2. Other organic high explosives not listed in this Note yielding detonation pressures of 250 kilobars or more that will remain stable at temperatures of 523 K (250°C) or higher for periods of 5 minutes or longer;
  3. Any other UN Class 1.1 solid propellant not listed in this Note with a theoretical specific impulse (under standard conditions) of more than 250 seconds for non-metallised, or more than 270 seconds for aluminised compositions;
  4. Any UN Class 1.3 solid propellant with a theoretical specific impulse of more than 230 seconds for non-halogenised, 250 seconds for non-metallised and 266 seconds for metallised compositions;
  5. Any other gun propellants not listed in this Note having a force constant of more than 1,200 kJ/kg;
  6. Any other explosive, propellant or pyrotechnic not listed in this Note that can sustain a steady-state burning rate of more than 38 mm per second under standard conditions of 68.9 bar pressure and 294 K(21°C);
  7. Elastomer modified cast double based propellants (EMCDB) with extensibility at maximum stress of more than 5% at 233 K (-40°C).
2. "Additives" include the following:
- a. Glyceridylazide Polymer (GAP) and its derivatives;
  - b. Polycyanodifluoroaminoethyleneoxide (PCDE);
  - c. Butanetrioltrinitrate (BTTN);
  - d. Bis-2-fluoro-2,2-dinitroethylformal (FEFO);
  - e. Butadienenitrileoxide (BNO);
  - f. Catocene, N-butyl-ferrocene and other ferrocene derivatives;
  - g. Bis(2,2-dinitropropyl) formal and acetal;
  - h. 3-nitroazido-1,5-pentane diisocyanate;
  - i. Energetic monomers, plasticisers and polymers containing nitro, azido, nitrate, nitroazido groups;
  - j. 1,2,3-Tris[1,2-bis(difluoroamino)ethoxy] propane; Tris vinyloxy propane adduct (TVOPA);
  - k. Bisazidomethyloxetane and its polymers;
  - l. Nitratomethylmethyloxetane or poly (3-Nitratomethyl, 3-methyl oxetane); (Poly-NIMMO) (NMMO);
  - m. azidomethylmethyloxetane (AMMO) and its polymers;
  - n. Polynitroorthocarbonates;
  - o. Tetraethylenepentamineacrylonitrile (TEPAN); cyanoethylated polyamine and its salts;
  - p. Tetraethylenepentamineacrylonitrileglycidol (TEPANOL); cyanoethylated polyamine adducted with glycidol and its salts;
  - q. Polyfunctional aziridine amides: with isophthalic, trimesic (BITA); butylene imine trimesamideisocyanuric; or trimethyladipic backbone structures and 2-methyl or 2-ethyl substitutions on the aziridine ring;
  - r. Basic copper salicylate; lead salicylate;
  - s. Lead beta resorcyate;
  - t. Lead stannate, lead maleate, lead citrate;
  - u. Tris-1-(2-methyl)aziridinyl phosphine oxide (MAPO); bis(2-methyl aziridinyl) 2-(2-hydroxypropanoxy) propylamino phosphine oxide (BOBBA 8); and other MAPO derivatives;
  - v. bis(2-methyl aziridinyl) methylamino phosphine oxide (Methyl BAPO);
  - w. Organo-metallic coupling agents, specifically:
    1. Neopentyl [diallyl] oxy, tri [diocetyl] phosphatotitanate ; also known as titanium IV, 2,2[bis(2-propenolato-methyl, butanolate or tris [diocetyl]phosphato-O), or LICA 12;
    2. Titanium IV, [(2-propenolato-1) methyl, N-propenolatomethyl] butanolato-1, also known as tris[diocetyl]pyrophosphato or KR3538;
    3. Titanium IV, [(2-propenolato-1)methyl, N-propenolatomethyl] butanolato-1, also known as tris(diocetyl)phosphate or KR3512;
  - x. FPF-1 poly-2,2,3,3,4,4-hexafluoropentane-1,5-diolformal;
  - y. FPF-3 poly-2,4,4,5,5,6,6-heptafluoro-2-tri-fluoromethyl-3-oxaheptane-1,7-diol formal;
  - z. Polyglycidyl nitrate or poly (Nitratomethyl oxirane); (POLYGLYN) (PGN);
  - aa. Hydroxyl terminated polybutadiene (HTPB) with hydroxyl functionality of less than 2.16, a hydroxyl value of less than 0.77 meq/g, and a viscosity at 30°C of less than 47 poise;
  - bb. Lead-copper chelates of beta-resorcyate or salicylates;
  - cc. Triphenyl bismuth (TPB);
  - dd. Bis-2-hydroxyethylglycolamide (BHEGA);
  - ee. Superfine iron oxide (Fe<sub>2</sub>O<sub>3</sub> hematite) with a specific surface area more than 250 m/g and an average particle size of 0.003 micrometre or less;
  - ff. N-Methyl-p-Nitroaniline.
3. "Aircraft" fuels embargoed by sub-item d. are finished products not their constituents;
  4. Sub-item d. includes military materials containing thickeners for hydrocarbon fuels specially formulated for use in flamethrowers or incendiary munitions, such as metal stearates or palmates (also known as octol) and M1,M2, M3 thickeners.
  5. "Precursors" include the following:
    - a. Guanidine nitrate;
    - b. 1,2,4 trihydroxybutane (1,2,4-butanetriol);
    - c. 1,3,5-trichlorobenzene;
    - d. Bischloromethyloxetane (BCMO);
    - e. Low (less than 10,000) molecular weight, alcohol-functionalised, poly(epichlorohydrin); poly(epichlorohydrindiol) and triol;
    - f. Propyleneimine, 2-methylaziridine;
    - g. 1,3,5,7 tetraacetyl-1,3,5,7-tetraaza cyclo-octane(TAT);
    - h. Dinitroazetidone-t-butyl salt;
    - i. Hexabenzylhexaazaisowurtzitane (HBIW);
    - j. Tetraacetyldibenzylhexaazaisowurtzitane (TAIW);
    - k. 1,4,5,8 Tetraazadecaline.
  6. This Item does not embargo those "precursors" that are industrial chemicals, not embargoed elsewhere in the International Lists, widely available in international markets.
  7. This Item does not embargo the following substances when not compounded or mixed with military explosives or powdered metals:
    - a. Ammonium picrate;
    - b. Black powder;
    - c. Hexanitrodiphenylamine;
    - d. Difluoroamine (HNF<sub>2</sub>);
    - e. Nitrostarch;
    - f. Potassium nitrate;
    - g. Tetranitronaphthalene;
    - h. Trinitroanisole;
    - i. Trinitronaphthalene;
    - j. Trinitroxylene;
    - k. Fuming nitric acid non-inhibited and not enriched;
    - l. Trinitrophenylmethyl nitramine (tetryl);
    - m. Acetylene;
    - n. Propane;
    - o. Liquid oxygen;
    - p. Hydrogen peroxide in concentrations of less than 85%;
    - q. Misch metal;
    - r. N-pyrrolidinone; 1-methyl-2-pyrrolidinone;
    - s. Diocetyl maleate;
    - t. Ethylhexylacrylate;
    - u. Triethylaluminium (TEA), trimethylaluminium (TMA), and other pyrophoric metal alkyls and aryls of lithium, sodium, magnesium, zinc and boron;
    - v. Nitrocellulose;
    - w. Nitroglycerin (or glyceroltrinitrate, trinitroglycerine) (NG);
    - x. 2,4,6-trinitrotoluene (TNT);
    - y. Ethylenediaminedinitrate (EDDN);
    - z. Pentaerythritoltetranitrate (PETN);
    - aa. Lead azide, normal and basic lead styphnate, and primary explosives or priming compositions containing azides or azide complexes;
    - bb. Triethyleneglycoldinitrate (TEGDN);
    - cc. 2,4,6-trinitroresorcinol (styphnic acid);
    - dd. Diethylidiphenyl urea; dimethyldiphenyl urea; methylethylidiphenyl urea [Centralites];
    - ee. N,N-diphenylurea (unsymmetrical diphenylurea);
    - ff. Methyl-N,N-diphenylurea (methyl unsymmetrical diphenylurea);
    - gg. Ethyl-N,N-diphenylurea (ethyl unsymmetrical diphenylurea);
    - hh. 2-Nitrodiphenylamine (2-NDPA);
    - ii. 4-Nitrodiphenylamine (4-NDPA);