

## END-USE LIST FROM 172.101 HAZARDOUS MATERIALS TABLE

Shipping Name	Hazard Class	Packing Group	Labels	Shipping Name	Hazard Class	Packing Group	Labels
Accumulators, pressurized, pneumatic or hydraulic (containing non-flammable gas).	2.2		2.2	Black powder	1 or 4.1	I	1 or 4.1
Adhesives, containing a flammable liquid.	3	I, II or III	3	Blasting cap assemblies, <b>see Detonator assemblies, non-electric, for blasting.</b>	1		1
Aerosols	2.1 or 2.2		2.1, 2.2, 6.1 or 8	Blasting caps, electric, <b>see Detonators, electric for blasting.</b>	1		1
Air bag inflators or Air bag modules or Seat-belt pretensioners <b>see Safety devices, electrically initiated or Safety devices, pyrotechnic</b>	9 or 1.4G		9 or 1.4G	Blasting caps, non-electric, <b>see Detonators, non-electric, for blasting.</b>	1		1
Air, compressed	2.2		2.2	Bleaching powder, <b>see Calcium hypochlorite mixtures, etc.</b>	5.1	II or III	5.1 or 8
Air, refrigerated liquid, (cryogenic liquid)	2.2		2.2 or 5.1	Bombs	1 or 8	II	1 or 8
Air, refrigerated liquid, (cryogenic liquid) non-pressurized	2.2		2.2 or 5.1	Boosters	1		1
Aircraft engines (including turbines), <b>see Engines, internal combustion</b>	2.1,3 or 9		2.1,3 or 9	Box toe gum, <b>see Nitrocellulose etc.</b>	1, 3 or 4.1	I, II or III	1, 3 or 4.1
Aircraft evacuation slides, <b>see Life saving appliances etc.</b>	9		None	Bursters, explosive	1.1D		1.1D
Aircraft hydraulic power unit fuel tank (containing a mixture of anhydrous hydrazine and monomethyl hydrazine) (M86 fuel).	3	I	3, 6.1 or 8	Butane, <b>see Petroleum gases, liquefied.</b>	2.1		2.1
Aircraft survival kits, <b>See Life saving appliances etc.</b>	9		None	Camphor oil	3	III	3
Alcoholic beverages	3	II or III	3	Camphor, synthetic	4.1	III	4.1
Ammunition	1 or 6		1, 6 or 8	Cannon primers, <b>see Primers, tubular.</b>	1		1.3G, 1.4G
Arsenical pesticides	3 or 6.1	I, II or III	3 or 6.1	Caps, blasting, <b>see Detonators, etc.</b>	1		1
Articles	1- 9 (excluding 7 radioactive)		1- 9	Cartridge cases, empty primed, <b>see Cases, cartridges, empty with primer.</b>	1.4C or 1.4S		1.4C or 1.4S
Asphalt, at or above its flashpoint	3	III	3	Cartridges	1		1
Asphalt, cut back, <b>see Tars, liquid, etc.</b>	3	II or III	3	Cases	1		1
Batteries	4.3, 8 or 9		4.3, 8 or 9	Castor beans or Castor meal or Castor pomace or Castor flake.	9	II	None
Battery fluid, acid	8	II	8	Cells, containing sodium	4.3		4.3
Battery fluid, alkali	8	II	8	Celluloid, in block, rods, rolls, sheets, tubes, etc., except scrap.	4.1	III	4.1
Battery-powered vehicle or Battery-powered equipment.	9		9	Celluloid, scrap	4.2	III	4.2
Battery, wet, filled with acid or alkali with vehicle or mechanical equipment containing an internal combustion engine) <b>see Vehicles, etc. or Engines, internal combustion, etc.</b>	4.3, 8 or 9		4.3, 8 or 9	Cement, <b>see Adhesives containing a flammable liquid.</b>	3	I, II or III	3
				Charcoal briquettes, shell, screenings, wood, etc.	4.2	III	4.2
				Charges	1		1
				Chemical kit	8	II	8
				Chemical kits	9		9
				Cigar and cigarette lighters, charged with fuel, <b>see Lighters or Lighter refills containing flammable gas.</b>	2.1 or 3	II	2.1 or 3

Shipping Name	Hazard Class	Packing Group	Labels	Shipping Name	Hazard Class	Packing Group	Labels
Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining).	3	I, II or III	3	Engine, internal combustion, flammable liquid powered or Engine, fuel cell, flammable liquid powered or Machinery, internal combustion,	3		3
Compounds, cleaning liquid	3 or 8	I, II or III	3 or 8	Engine, internal combustion or Machinery, internal combustion	9		9
Compounds, tree killing, liquid or Compounds, weed killing, liquid.	3, 6.1 or 8	I, II or III	3, 6.1 or 8	Etiologic agent, <b>see Infectious substances, etc.</b>	6.2		6.2
Consumer commodity	9		9	Explosive	1		1
Contrivances, water-activated, with burster, expelling charge or propelling charge.	1.2L or 1.3L		1.2L or 1.3L	Extracts, aromatic, liquid	3	II or III	3
Cord	1		1	Extracts, flavoring, liquid	3	II or III	3
Cotton	9		9	Fertilizer ammoniating solution with free ammonia	2.2		2.2
Cotton waste, oily	4.2	III	4.2	Fibers, animal or Fibers, vegetable burnt, wet or damp	4.2	III	4.2
Cotton, wet	4.2	III	4.2	Fibers, vegetable, dry	4.1	III	4.1
Cutters, cable, explosive	1.4S		1.4S	Films, nitrocellulose base, from which gelatine has been removed; film scrap, <b>see Celluloid scrap.</b>	4.2	III	4.2
Dangerous goods in articles or Dangerous goods in machinery or Dangerous goods in apparatus	9		9	Films, nitrocellulose base, gelatine coated (except scrap).	4.1	III	4.1
Delay electric igniter, <b>see Igniters</b>	1		1	Fire extinguisher charges, corrosive Liquid.	8	II	8
Denatured alcohol	3	II or III	3	Fire extinguisher charges, expelling, explosive, <b>see Cartridges, power device.</b>	1		1
Depth charges, <b>see Charges, depth</b>	1.1D		1.1D	Fire extinguishers containing compressed or liquefied gas.	2.2		2.2
Detonating relays, <b>see Detonators, etc.</b>	1		1	Firelighters, solid with flammable liquid.	4.1	III	4.1
Detonator assemblies, non-electric	1		1	Fireworks	1		1
Detonators	1		1	Fish meal, stabilized or Fish scrap stabilized.	9	III	None
Devices, small, hydrocarbon gas powered or Hydrocarbon gas refills for small devices with release device.	2.1		2.1	Fish meal, unstabilized or Fish scrap, Unstabilized.	4.2	II	4.2
Diesel fuel	3	III	3	Flares	1		1
Dry ice, <b>see Carbon dioxide, solid</b>	9		None	Flash powder	1.1G or 1.3G		1.1G or 1.3G
Dyes, various	6.1 or 8	I, II or III	6.1 or 8	Flue dusts, poisonous, <b>see Arsenical dust.</b>	6.1	II	6.1
Dynamite, <b>see Explosive, blasting, type A.</b>	1.1D		1.1D	Fuel, aviation, turbine engine	3	I, II or III	3
Electrolyte (acid or alkali) for batteries, <b>see Battery fluid, acid or Battery fluid, Alkali.</b>	8	II	8	Fuel cell cartridges	2.1, 3, 4.3 or 8		2.1, 3, 4.3 or 8
Engine, internal combustion, flammable gas powered or Engine, fuel cell, flammable gas powered or Machinery, internal combustion, flammable gas powered or Machinery, fuel cell, flammable gas powered	2.1	2.1		Fuel oil (No.1,2,4,5,or 6)	3	III	3

Shipping Name	Hazard Class	Packing Group	Labels	Shipping Name	Hazard Class	Packing Group	Labels
Fuel system components (including fuel control units (FCU), carburetors, fuel lines, fuel pumps) <b>see Dangerous Goods in Apparatus or Dangerous Goods in Articles or Dangerous Goods in Machinery</b>	9		9	Kerosene	3	III	3
Fusee (railway or highway)	4.1	II	4.1	Krill meal	4.2	II or III	4.2
Fuses, tracer	1		1	Life-saving appliances, not self inflating containing dangerous goods as equipment.	9		None
Fusel oil	3	II or III	3	Life-saving appliances, self inflating	9		None
Fuzes	1		1	Lighter replacement cartridges containing liquefied petroleum gases (and similar devices, each not exceeding 65 grams), <b>see Lighters or lighter refills etc. containing flammable gas.</b>	2.1		2.1
Gas cartridges, (flammable) without a release device, non-refillable.	2.1		2.1	Lighters, containing flammable gas.	2.1		2.1
Gas identification set	2.3		2.3	Lighters, fuse	1.4S		1.4S
Gas oil	3	III	3	Lighters, non-pressurized, containing flammable liquid	3		3
Gasoline includes gasoline mixed with ethyl alcohol, with not more than 10 percent alcohol.	3	II	3	Lithium batteries installed in cargo transport unit lithium ion batteries	9		
Gelatine dynamites, <b>see Explosive, blasting, type A</b>	1		1	Matches	4.1	III	4.1
Gernades	1		1	Medical waste, category A, Affecting animals only, solid	6.2		6.2
Gunpowder, compressed or Gunpowder in pellets, <b>see Black powder (UN 0028).</b>	1.1D		1.1D	Mine rescue equipment containing carbon dioxide, <b>see Carbon dioxide.</b>	2.2 or 9		2.2 or 9
Gunpowder, granular or as a meal, <b>see Black powder (UN 0027).</b>	1.1D		1.1D	Mines	1		1
Hand signal device, <b>see Signal devices, Hand.</b>	1.4G or 1.4S		1.4G or 1.4S	Mobility aids, <b>see Battery powered equipment or Battery powered vehicle.</b>	9		9
Heating oil, light	3	III	3	Model rocket motor	1.4C or 1.4S		1.4C or 1.4S
High explosives	1		1	Motor fuel anti-knock mixtures	6.1	I	3 or 6.1
Igniter fuse, metal clad, <b>see Fuse igniter, tubular, metal clad.</b>	1		1	Motor spirit, <b>see Gasoline</b>	3	II	3
Igniters	1		1	New explosive or explosive device, <b>see sections 173.51 and 173.56.</b>	1		1
Infectious substances, affecting animals only	6.2		6.2	Oil gas, compressed	2.3		2.3, 2.1
Infectious substances, affecting humans	6.2		6.2	Oxygen generator, chemical	5.1 or 9	III	5.1 or 9
Jet fuel, see Fuel aviation, turbine engine.	3	I, II or III	3	Oxygen, refrigerated liquid (cryogenic liquid)	2.2		2.2, 5.1
Jet perforating guns, various	1		1	Paint	3 or 8	I, II or III	3 or 8
Jet tappers, without detonator, <b>see Charges, shaped</b>	1		1	Paint related material	3 or 8	I, II	3 and 8
Jet thrust igniters, for rocket motors or Jato, <b>see Igniters.</b>	1		1	Paper, unsaturated oil treated incompletely dried (including carbon paper).	4.2	III	4.2
Jet thrust unit (Jato), <b>see Rocket motors.</b>	1		1	Perfumery products with flammable solvents.	3	II or III	3

Shipping Name	Hazard Class	Packing Group	Labels	Shipping Name	Hazard Class	Packing Group	Labels
Petroleum crude oil	3	I, II or III	3	Rubber solution	3	II or III	3
Petroleum gases, liquefied or Liquefied petroleum gas.	2.1		2.1	Safety devices, electrically initiated	9		9
Petroleum oil	3	I, II or III	3	Safety devices, pyrotechnic	1.4G		1.4G
Petroleum sour crude oil, flammable, toxic	3	I, II or III	3, 6.1	Safety fuse, <b>see Fuse, safety</b>	1		1
Pine oil	3	III	3	Samples, explosive, other than initiating explosives.	<b>(see Special Provision 113)</b>		
Plastic molding compound in dough, sheet or extruded rope form evolving flammable vapor.	9	III	9	Seed cake	4.2	III	None
Powder cake, wetted or Powder paste, wetted with not less than 17 percent alcohol by mass.	1.1C		1.1C	Self-defense spray	2 or 9		2 or 9
Powder cake, wetted or Powder paste, wetted with not less than 25 percent water, by mass.	1.3C		1.3C	Self-propelled vehicle, <b>see Engines or Batteries etc.</b>	4.3, 8 or 9		4.3, 8 or 9
Powder, smokeless	1.1C, 1.3C or 1.4C		1.1C, 1.3C or 1.4C	Self-reactive liquid or solid	4.1		4.1
Powder device, explosive, <b>see Cartridges, power device.</b>	1.2C, 1.3C, 1.4C or 1.4S		1.2C, 1.3C, 1.4C or 1.4S	Shale oil	3	I, II or III	3
Primers	1		1	Shaped charges, commercial, <b>see Charges, shaped etc.</b>	1		1
Printing ink, flammable or Printing ink related material (including printing ink thinning or reducing compound), flammable	3	I, II or III	3	Signal devices, hand	1.4G or 1.4S		1.4G or 1.4S
Projectiles	1		1	Signals	1		1
Propellant	1		1	Smokeless powder for small arms (100 lbs or less).	4.1	I	4.1
Rags, oily	4.2	III	4.2	Soda lime with more than 4 percent sodium hydroxide.	8	III	8
Railway torpedo, <b>see Signals, railway track, explosive.</b>	1		1	Sounding devices, explosive	1		1
Receptacles, small, containing gas or gas cartridges (non-flammable), without release device, not refillable and not exceeding 1 L capacity.	2.1 or 2.2		2.1 or 2.2	Squibs, <b>see igniters</b>	1		1
Refrigerating machine	2.1 or 2.2		2.1 or 2.2	Storage batteries, wet	3, 8 or 9		3, 8 or 9
Release devices, explosive	1.4S		1.4S	Tars, liquid including road oils and cutback bitumens.	3	II or III	3
Resin solution, flammable	3	I, II or III	3	Tear gas candles	6.1		6.1 or 4.1
Rifle grenade, <b>see Grenades, hand or rifle, with bursting charge</b>	1		1	Tear gas devices with more than 2 percent tear gas substances, by mass.	6.1	I or II	6.1
Rifle powder, <b>see Powder, smokeless (UN 0160).</b>	1.1C		1.1C	Tear gas devices, with not more than 2 percent tear gas substances, by mass, <b>see Aerosols, etc.</b>	2.1 or 2.2		2.1, 2.2, 6.1 or 8
Rivets, explosive	1.4S		1.4S	Tear gas grenades, <b>see Tear gas candles.</b>	6.1		6.1 or 4.1
Road asphalt or tar liquid, <b>see Tars, liquid, etc.</b>	3	II or III	3	Textile waste, wet	4.2	III	4.2
Rocket motors	1		1	Tinning flux, <b>see Zinc chloride</b>	8	III	8
Rockets	1		1	Tires and tire assemblies, <b>See Air compressed or Nitrogen compressed</b>	2.2		2.2
Rosin oil	3	II or III	3	TNT mixed with aluminum, <b>see Tritonal.</b>	1.1D		1.1D
				TNT, <b>see Trinitrotoluene,</b>	1.1 D or 4.1 ( PG 1)		1.1 D or 4.1

Shipping Name	Hazard Class	Packing Group	Labels
Torpedoes	1		1
Toy Caps	1.4S		1.4S
Tracers for ammunition	1.3G or 1.4G		1.3G or 1.4G
Tractors, <b>see Vehicles, self propelled</b>	9		9
Turpentine	3	III	3
Turpentine substitute	3	I, II or III	3
Vehicle, flammable gas powered or Vehicle, fuel cell, flammable gas powered	9		9
Vehicle, flammable liquid powered or Vehicle, fuel cell, flammable liquid powered	9		9
Very signal cartridge, <b>see Cartridges, signal.</b>	1		1
Warheads	1		1
Wheelchair, electric, <b>see Battery-powered vehicle or Battery powered equipment</b>	3, 4.3, 8 or 9		3, 4.3, 8 or 9
Wood preservatives, liquid	3	II or III	3
Wool waste, wet	4.2	III	4.2