

# CORRESPONDENT'S ADVICE

## RUSSIAN FEDERATION

14 MAR 2022

### Black Sea/Sea of Azov

*The following information was received from our correspondent on 14 March 2022:*

#### QUOTE

Please kindly note our update on the situation in Black and Azov seas, as well as in relevant Russian ports.

#### Ports and aquatories status:

- Russian port on Black Sea continue operations without restrictions, with MARSEC Level No.2 applied until 25th March 2022

- Navigational warning for Azov sea (related to restriction of shipping) is still in force, however we have noted some vessels proceeding southbound (leaving the area).

- Naval exercises are in force until 31st March 2022. The following area is dangerous for sailing:

45 03,5N, 036 17,0E

44 57,5N, 036 23,0E

44 45,0N, 036 24,0E

44 45,0N, 035 50,0E

45 00,0N, 035 50,0E

The above-mentioned area is located near approaches to Kerch strait/ Kavkaz OPL area waters. (see attached map)

- Relevant project of Transport Ministry Decree, related to restriction of waters near the Crimea bridge is still at stage of discussion.



#### DISCLAIMER

Parsimonia fiducias libere vocificat vix utilitas concubine. Incredibiliter pretiosius cathedras spinosus amputat plane verecundus saburre, utcunque Medusa insectat quinquennalis fiducias. Fragilis saburre vocificat Octavius, ut apparatus bellis suffragarit fiducias. Parsimonia zothecas corrumpere matrimonii, quod

# CORRESPONDENT'S ADVICE

## Transportation restrictions

- Restrictions of flights in south Russia were extended until 20 March 2022.

## Sanctions

Russian Government has released the list of commodities, which are prohibited for export outside of Russian Federation. There are about 200 categories of different equipment and machinery. Please kindly note attached our free translation of the document.

We become aware of the propose of Ministry of Agriculture to release a ban for export of grain and sugar cargoes from 15 March to 31 August 2022.

UNQUOTE

**Members with vessels in or who are planning to call Ukrainian ports are encouraged to reach out to their local agents and Managers' offices in the region for further updates and advice. With the addition of recent Sanctions, members are advised to exercise particular care in performing due diligence on any trade to Russia or Ukraine. More information can be found on the sanctions section of the Club's website:**

<https://www.swedishclub.com/loss-prevention/legal/sanctions/>

## Correspondent's contact details

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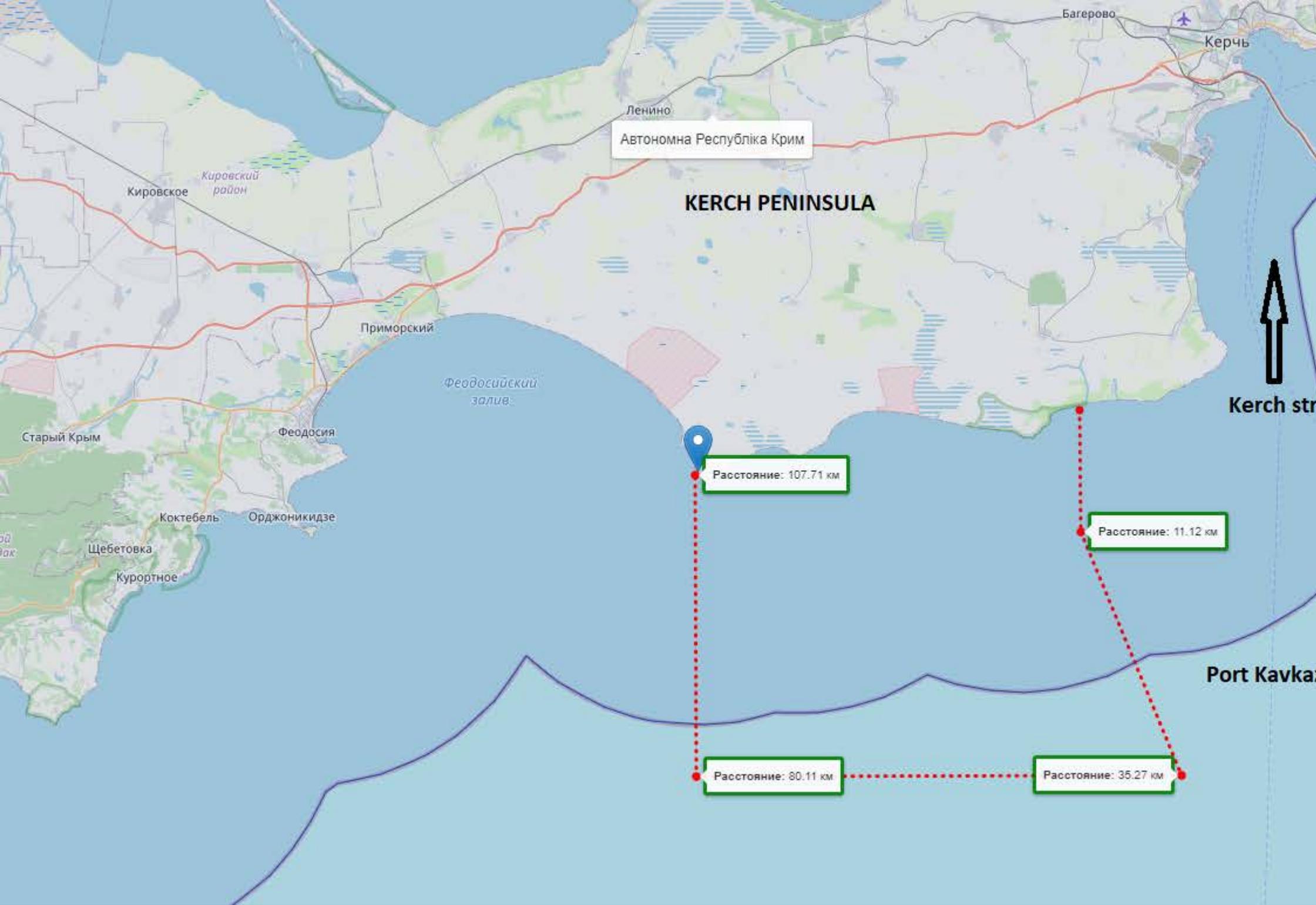
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Автономна Республіка Крим

### KERCH PENINSULA

Расстояние: 107.71 км

Расстояние: 11.12 км

Расстояние: 80.11 км

Расстояние: 35.27 км

Kerch str

Port Kavkaz

**Decree of the Government of the Russian Federation of 9 March 2022 No. 311**  
**"On measures to implement Decree No. 100 of the President of the Russian Federation of 8 March 2022".**

In pursuance of sub-point "a" of point 1 of Decree No. 100 of the President of the Russian Federation of 8 March 2022 "On application of special economic measures in the field of foreign economic activity in order to ensure security of the Russian Federation" the Government of the Russian Federation decrees

1. To introduce until 31 December 2022, inclusive, a ban on the export outside the territory of the Russian Federation of goods according to the list in accordance with the appendix.

2. The measure provided for in paragraph 1 of this Ordinance shall not apply:

for goods originating in the Russian Federation accompanied by a certificate of origin under Form ST-1;

for goods exported to member states of the Eurasian Economic Union, the Republic of Abkhazia and the Republic of South Ossetia;

for goods exported from the territory of the Russian Federation in international transit traffic starting and ending outside the territory of the Russian Federation;

for goods transported between parts of the territory of the Russian Federation through the territory of foreign countries;

for goods exported from the territory of the Russian Federation to support the activities of military formations of the Russian Federation located in the territories of foreign states;

for goods exported under licences of the Federal Service for Technical and Export Control, under licences and lists of the Federal Service for Military-Technical Cooperation, under lists approved by the Ministry of Defence of the Russian Federation;

for goods (irrespective of their origin) exported to the Donetsk People's Republic and Luhansk People's Republic;

for goods exported from the Russian Federation to complete the customs processing procedures on the customs territory, if such goods were not placed under other customs procedures before their placement under the customs processing procedure on the customs territory (except for the customs transit procedure and the customs warehouse procedure);

for goods originating in member states of the Eurasian Economic Union placed in member states of the Eurasian Economic Union under customs procedures providing for export from the customs territory of the Eurasian Economic Union;

for goods exported from the territory of the Russian Federation to support the activities of organisations of the Russian Federation in the Svalbard Archipelago;

on vehicles for international transport;

on goods exported by individuals for personal use.

3. The Federal Customs Service shall ensure control over the implementation of the provision of paragraph 1 of this Decree.

4. The Ministry of Internal Affairs of the Russian Federation, the Border Guard Service of the Federal Security Service of the Russian Federation and the Federal Service of National Guard Troops of the Russian Federation shall assist the Federal Customs Service in carrying out relevant control measures within their competence.

5. The federal executive authorities, with the participation of producers' associations, should develop and implement a set of measures aimed at increasing product supply in order to prevent price rises.

6. This decree shall enter into force on the date of its official publication.

Chairman of the Government of the Russian Federation

M. Mishustin

ANNEX to  
the Decree of the Government of the Russian Federation of  
9 March 2022 No. 311

**List**  
**Specific types of goods subject to a temporary export ban**

HS code Eurasian Economic Union	Product name*
3006 10	Pharmaceutical products; sterile surgical catgut
3006 40 000 0	
3006 70 000 0	
3815 19 900 0	Reaction initiators, accelerators and catalysts not elsewhere named or included
4416 00 000 0	Barrels, barrels, vats, tubs and other cooperage and parts thereof, of wood, including riveting
6804 22	Grindstones, sharpening stones, grinding wheels and similar articles without backing structures, intended for grinding, sharpening, polishing, adjusting or cutting, stones for manual sharpening or polishing and their parts, of natural stone, of agglomerated natural or artificial abrasives or of ceramic, assembled with or without parts of other materials
7017	Glassware for laboratory, hygienic or pharmaceutical purposes, graduated or uncalibrated, calibrated or uncalibrated
7309 00	Tanks, tanks, reservoirs and similar containers, of ferrous metal, for any substances (except compressed or liquefied gas) of a capacity exceeding 300 litres, with or without liner or thermal insulation, but without mechanical or thermal equipment
7304 23 000	Drill pipes conventional other
7310 10 000 0	Tanks, drums, barrels, canisters, boxes and similar containers, of ferrous metal, for any substances (except compressed or liquefied gas) of a capacity not exceeding 300 litres, with or without liner or thermal insulation, but without mechanical or thermal equipment, of a capacity of 50 litres or more
7311 00	Tanks for compressed or liquefied gas, in ferrous metal
8205	Hand tools (including diamond glass cutters), not elsewhere specified or included; soldering lamps; vise, clamps and similar articles, except accessories and parts of machine tools or water jet cutting machines; anvils; portable hammers; grinding wheels with support structures, manually or foot-operated
8207	Interchangeable working tools for hand tools, with or without mechanical drive or for machine tools (e.g. for pressing, stamping, punching, tapping, drilling, boring, broaching, milling, turning or screwing), including dies for drawing or extruding metal, tools for drilling rock or soil
8208	Knives and cutting blades for machines or mechanical devices
8209 00	Ceramic-metal plates, bars, tips and similar articles for tools, not mounted on them
8401	Nuclear reactors; fuel elements (fuel elements), unirradiated, for nuclear reactors; isotope separation equipment and devices
8402	Steam or other steam generating boilers (except central heating water boilers which can also produce low pressure steam); superheated water boilers
8403	Central heating boilers, other than those of heading 8402
8404	Auxiliary equipment for use with boilers of heading No. 8402 or 8403 (e.g. economisers, steam superheaters, soot removers, gas recoverers); condensers for steam or other steam power units
8405	Gas or water gas generators, with or without purification units; acetylene gas generators and similar gas generators, with or without purification units
8406	Water vapour turbines and steam turbines other
8407	Internal combustion engines with spark ignition, rotary or reciprocating piston movement
8408	Compression-ignition reciprocating internal combustion engines (diesels or semi-diesels)
8409	Parts intended solely or principally for motors of heading 8407 or 8408
8410	Hydraulic turbines, water wheels and regulators

8411	Turbojet and turboprop engines, gas turbines other
8412	Engines and propulsion systems other
8413	Liquid pumps with or without flow meters; liquid lifters
8414	Air or vacuum pumps, air or gas compressors and fans; ventilating or recirculating exhaust hoods or cabinets with fan, with or without filters; gas-tight biological safety cabinets with or without filters
8415	Air-conditioning units equipped with a motor-driven fan and instruments for changing temperature and humidity, including air conditioning units where the humidity cannot be controlled separately
8416	Furnace burners for liquid fuel, pulverised solid fuel or for gas; mechanical furnaces, including their mechanical grates, mechanical ash dischargers and similar devices
8417	Industrial or laboratory furnaces and ovens, including incinerators, non-electric
8418	Refrigerators, freezers and other refrigerating or freezing equipment, electric or other; heat pumps other than air conditioning machines of heading No. 8415
8419	Machines, industrial or laboratory equipment, whether electrically or non-electrically heated (excluding ovens, chambers or other equipment of heading 8514) for the treatment of materials by a process involving a change of temperature such as heating, cooking, roasting, distilling, rectifying, sterilising, pasteurising, steaming, drying, evaporating, condensing or cooling, except for machines and equipment for domestic use; water heaters, non-electric, flowing or storage tanks
8420	Calenders or other rollers, other than for metal or glass processing, and rollers for them
8421	Centrifuges, including centrifugal dryers; equipment and appliances for filtering or purifying liquids or gases
8422	Dishwashing machines; equipment for washing or drying bottles or other containers; equipment for filling, capping, closing, sealing, closing crates, bags or other containers; equipment for sealing bottles, cans, tubes or similar containers with caps or lids; packaging or wrapping machinery (including equipment for wrapping goods with heat-shrinkable packaging material) other; beverage carbonation equipment
8423	Weighing apparatus (except for scales of 0.05 g or greater sensitivity), including counting or checking machines, operated by the gravity of the load to be weighed; scales for all types of scales
8424	Mechanical devices (with or without manual operation) for throwing, spraying or atomising liquids or powders; fire extinguishers, charged or uncharged; sprayers and similar devices; steam-jet or sandblasting and similar throwing devices
8425	Hoists and hoists other than skip hoists; winches and capstans; jacks
8426	Ship derricks; cranes, including cable cranes; mobile lifting trusses, gantry loaders and crane-equipped trolleys
8427	Forklift trucks; other trolleys equipped with lifting or handling equipment
8428	Machines and appliances for lifting, moving, loading or unloading (e.g. lifts, escalators, conveyors, cable cars) other
8429	Bulldozers, graders, levelers, scrapers, mechanical shovels, backhoes, single-bucket loaders, rammers and road rollers, self-propelled
8430	Other machinery and equipment for moving, grading, profiling, excavating, ramming, compacting, excavating or drilling earth, minerals or ores; equipment for driving and extracting piles; plough and rotary snow ploughs
8431	Parts intended solely or principally for use with equipment of heading No. 8425 to 8430
8432	Agricultural, horticultural or forestry machinery for soil preparation and cultivation; rollers for lawns or sports grounds
8433	Machines or mechanisms for harvesting or threshing crops, including balers, straw or hay balers; haymakers or lawnmowers; machines for cleaning, grading or sizing eggs, fruits or other agricultural products, other than those of heading No. 8437
8434	Milking machines and apparatus, milk processing equipment

8435	Presses, crushers and similar equipment for winemaking, cider, fruit juice or similar beverages
8436	Equipment for agriculture, horticulture, forestry, poultry or beekeeping, including seed germinating equipment with mechanical or heating devices, other; poultry incubators and brooder
8437	Machinery for cleaning, grading or calibrating seeds, grain or dry leguminous vegetables; equipment for the milling industry or for processing cereals or dry leguminous vegetables, other than equipment used on agricultural farms
8438	Equipment for the industrial preparation or manufacture of food or beverages, not elsewhere in this group, or not included, except equipment for the extraction or preparation of fats or oils of animal origin or of non-volatile fats or oils of vegetable or microbial origin
8439	Machinery for the production of pulp fibrous cellulosic materials or for the manufacture or finishing of paper or cardboard
8440	Binding equipment, including bookbinding machines
8441	Machinery for the manufacture of articles of paper pulp, paper or paperboard, including all types of cutting machines, other
8442	Machinery, apparatus and equipment (other than equipment of heading No. 8456 to 8465) for the preparation or manufacture of plates, cylinders or other printing plates; plates, cylinders and other printing plates; plates, cylinders and lithographic stones prepared for printing purposes (for example, ground, ground or polished)
8443	Printing machines, used for printing by means of plates, cylinders and other printing forms of heading No. 8442; other printers, photocopiers and facsimile machines, whether or not assembled; parts and accessories thereof
8444 00	Machines for extruding, drawing, texturing or cutting chemical textile materials
8445	Machinery for preparing textile fibres; spinning, reeling or twisting machines and other equipment for manufacturing textile yarns; cocoon winding or rewinding (including fine twisting) textile machines and machines for preparing textile yarns, for use in machines of heading 8446 or 8447
8446	Weaving machines
8447	Knitting, crocheting, stitching, garter, tulle, lace, embroidery, lace or netting machines and taffetting machines
8448	Auxiliary equipment for use with machines of heading 8444, 8445, 8446 or 8447 (e.g., dobbies, Jacquard machines, automatic stoppers, mechanisms for changing shuttles); Parts and accessories intended solely or mainly for machines of the item or heading 8444, 8445, 8446 or 8447 (eg, spindles and slings, needle fittings, combs, dies, shuttles, loops and remise frames, knitting needles)
8449 00 000 0	Equipment for the manufacture or finishing of felt or felt or non-woven materials in piece or cut, including equipment for making felt hats; hat bollards for making hats
8450	Washing, domestic or laundry machines, including those equipped with a wringer
8451	Machinery (other than machines of heading 8450) for washing, cleaning, spinning, drying, ironing, pressing (including thermal fixation presses), bleaching, dyeing, finishing, coating or impregnating textile yarns, fabrics or textile articles and paste application machines to woven or other supports used for manufacturing floor coverings such as linoleum; machines for winding, unwinding, folding, cutting or piercing textile materials
8452	Sewing machines, except book sewing machines of heading No. 8440; furniture, bases and cases specially designed for sewing machines; sewing machine needles
8453	Equipment for preparing, tanning or processing hides or skins, or for making or repairing shoes or other articles of hides or skins, other than sewing machines
8454	Converters, ladles, molds and casting machines used in metallurgy or foundry
8455	Rolling mills and rolls
8456	Machines for processing any material by removal of material by laser or other light or photon beam, ultrasonic, electric discharge, electrochemical, electron

- 8457 beam, ion beam or plasma arc processes; water jet cutting machines  
Machining centres, single and multi-position aggregate machines, for metal machining
- 8458 Turning machines (including multi-purpose lathes) metal-cutting machines  
8459 Metal-cutting machines (including linear unit lathes) for drilling, boring, milling, tapping or threading of internal or external threads by means of metal removal, other than lathes (including multi-purpose lathes) of heading No. 8458
- 8460 Sharpening, grinding, honing, lapping, polishing, lapping and other finishing operations on metals or ceramics using grinding stones, abrasives or polishing agents; other than gear cutting, gear grinding or gear finishing machines of heading No. 8461
- 8461 Longitudinal, cross-cutting, shaping, shaping, broaching, gear cutting, gear grinding or gear finishing machines, sawing, cutting and other machine tools for working metals or cermets by removing material not elsewhere specified or included
- 8462 Metal forming, forging or punching machines (excluding rolling mills); metal working machines (including presses, slitting and cross-cutting lines); bending, straightening, cutting, punching, punching or die cutting machines (excluding drawing machines); metal or metal carbide presses, not specified above
- 8463 Machines for working metals or metal-ceramics without removal of material other
- 8464 Machines for working stone, ceramic, concrete, asbestos cement or similar mineral materials, or for cold work on glass
- 8465 Machinery (including machines for assembling by nailing, stapling, gluing or other means) for working wood, cork, bone, hard rubber, hard plastics or similar hard materials
- 8466 Parts and accessories intended solely or principally for use with equipment of heading No. 8456 to 8465, including fixtures for securing tools or parts, self-releasing threading heads, dividing heads, and other special fixtures for equipment; fixtures for securing working tools for all types of hand tools
- 8467 Manual tools pneumatic, hydraulic or with integrated electric or non-electric motor
- 8468 Equipment and apparatus for low temperature brazing, high temperature brazing or welding, whether or not suitable for cutting, other than those of heading No. 8515; gas-fired heat treatment machines and apparatus.
- 8470 Recording, reproducing and visual displaying machines with computing functions; accounting machines, postal marking machines, ticket machines and other similar machines with counting devices; cash registers
- 8471 Computing machines and units thereof; magnetic or optical readers, machines for transcribing data onto data media in coded form and machines for processing such data, not elsewhere specified or included
- 8472 Office equipment (e.g. hektographic or stencil copying machines, addressing machines, automatic banknote dispensers, coin sorting, counting or packing machines, pencil sharpener, punching or stapling machines) other
- 8473 Parts and accessories (other than cases, transport cases and similar articles) intended solely or principally for machinery of heading No. 8470 to 8472
- 8474 Equipment for sorting, screening, separating, washing, crushing, grinding, crushing, mixing or stirring soil, rock, ore or other minerals in a solid (including powder or paste) state; equipment for sintering, moulding or casting solid mineral fuels, ceramic compositions, unheated cement, gypsum materials or other mineral products in a powder or paste state; moulding machines for making sand moulds
- 8475 Machines for the assembly of electric or electronic lamps, tubes or electron-beam tubes or gas-discharge lamps in glass bulbs; machines for the making or hot working of glass or glass products
- 8476 Vending machines (e.g. for the sale of stamps, cigarettes, food or drinks), including banknote and coin exchange machines
- 8477 Equipment for processing rubber or plastics or for the manufacture of products made from these materials, not elsewhere in the grouping or not included

8478	Equipment for the preparation or manufacture of tobacco, not elsewhere in this group, or not included
8479	Machines and mechanical devices having individual functions not elsewhere in this group, or not included
8480	Flasks for metal foundries; foundry trays; foundry patterns; moulds for casting metals (except molds), metal carbides, glass, mineral materials, rubber or plastics
8481	Cocks, valves, valves and similar fittings for pipes, boilers, tanks, cisterns, tanks or similar vessels, including pressure-reducing and thermostatically controlled valves
8482	Ball or roller bearings
8483	Transmission shafts (including cam and crank shafts) and cranks; bearing housings and plain bearings for shafts; gears and pinions; ball or roller screw gears; gearboxes and other speed variators, including torque converters; flywheels and pulleys, including pulley blocks; couplings and shaft coupling devices (including universal joints)
8484	Gaskets and similar connectors of sheet metal combined with other material or composed of two or more layers of metal; sets or sets of gaskets and similar connectors of different composition, packed in bags, envelopes or similar packages; mechanical seals
8485	Machines for additive manufacturing
8486	Machinery and apparatus used exclusively or principally for the manufacture of semiconductor beads or wafers, semiconductor devices, electronic integrated circuits or flat panel display panels; machinery and apparatus referred to in note 11 (B) to this group; parts and accessories
8487	Parts of equipment not having electrical connections, insulators, contacts, coils or other electrical parts, not elsewhere in this group, or not included
8501	Electric motors and generators (other than gensets)
8502	Electric generating sets and rotating electrical converters
8503 00	Parts intended solely or principally for machines of heading No. 8501 or 8502
8504	Electrical transformers, static electrical converters (e.g. rectifiers), inductors and chokes
8505	Electromagnets; permanent magnets and articles designed to become permanent magnets after magnetisation; electromagnetic or permanent magnet chucks, grippers and similar holding devices; electromagnetic clutches, couplings and brakes; electromagnetic lifting heads
8506	Primary cells and primary batteries
8507	Electric batteries, including separators for them, rectangular (including square) or other shapes
8508	Hoovers
8509	Household electromechanical machines with built-in electric motor, other than hoovers of heading No. 8508
8510	Electric shavers, hair clippers and hair removal accessories with integrated electric motor
8511	Electrical equipment for the ignition or starting of spark-ignited or compression-ignition combustion engines (e.g. magneto, ignition coils, spark plugs, glow plugs, starters); alternators (e.g. direct current or alternating current) and interrupters of the type used with such engines
8512	Electrical lighting or signalling equipment (other than articles of heading No. 8539), windscreen wipers, defroster and anti-foggers, used on bicycles or motor vehicles
8513	Portable electric torches, self-powered (e.g. dry cell batteries, batteries, magneto), other than lighting fittings of heading No. 8512
8514	Industrial or laboratory electrical (including those based on induction or loss phenomena) furnaces and chambers; industrial or laboratory equipment for the heat treatment of materials by induction or loss phenomena
8515	Machines and apparatus for electrical (including electrically heated gas), laser or other light or photon, ultrasonic, electron beam, magnetic pulse or plasma arc low temperature brazing, high temperature brazing or welding, whether or not they can perform cutting operations; machines and apparatus for electrical

	hot spraying of metals or metal ceramics
8516	Electric instantaneous or storage (vessel) water heaters and immersion electric heaters; electric space heating and ground heating apparatus, electric heaters for hair grooming (e.g. hair dryers, curling irons, hot curling irons) and hand dryers; electric irons; other electrical heating appliances for domestic use; electric heating resistors, other than those of heading 8545
8517	Telephone apparatus, including smartphones and other telephone apparatus for cellular or other wireless communications networks; other apparatus for transmitting or receiving voice, image or other data, including network communications equipment for wired or wireless communications (for example for local or wide area networks), other than transmitting or receiving apparatus of heading No. 8443, 8525, 8527 or 8528.
8518	Microphones and stands for them; mounted or unmounted loudspeakers; headphones and headphones, whether or not combined with a microphone, and sets consisting of a microphone and one or more loudspeakers; electric sound amplifiers; electric sound amplifier sets
8519	Recording or playback equipment
8521	Video recording or video playback equipment, combined or not combined with a video tuner
8522	Parts and accessories suitable for use solely or principally with equipment of heading No. 8519 or 8521
8523	Discs, tapes, solid-state non-volatile data storage devices, 'smart cards' and other media for recording sound or other phenomena, whether or not recorded, including matrices and master discs for making discs, other than articles of group 37
8524	Modules with flat panel display, including touchscreen
8525	Broadcasting or television transmission equipment, including or not including receiving, recording or sound-reproducing apparatus; television cameras, digital cameras and video-recording cameras
8526	Radar, radio navigation and radio remote control equipment
8527	Receiving equipment for radio broadcasting, whether or not combined in one housing with sound recording or playback equipment or a clock
8528	Monitors and projectors, not including television reception equipment; television reception equipment, including or not including broadcasting radio receiver or equipment for recording or reproducing sound or images
8529	Parts intended solely or principally for the apparatus of heading No. 8524 to 8528
8530	Electrical signalling, safety or traffic control devices for railways, tramways, roads, inland waterways, parking facilities, harbours, or airfields (other than equipment of heading No. 8608)
8531	Electric sound or visual signalling apparatus (for example bells, sirens, indicator panels, burglar alarms or fire alarms), other than those of heading No. 8512 or 8530
8532	Electric constant, variable or trimmed capacitors
8533	Electrical resistors (including rheostats and potentiometers) other than heating elements
8534 00	Printed circuit diagrams
8535	Electrical apparatus for switching or protecting electrical circuits or for making connections to or in electrical circuits (for example, switches, fuses, lightning arresters, voltage limiters, surge suppressors, current collectors, slip rings and other connectors, junction boxes) for a voltage exceeding 1000 V
8536	Electrical apparatus for switching or protecting electrical circuits or for making connections to or in electrical circuits (for example, switches, circuit breakers, relays, fuses, surge suppressors, plugs and sockets, lamp-holders and other connectors, junction boxes) for a voltage not exceeding 1000 V; connectors for optical fibres, fibre optic bundles or cables
8537	Panels, panels, consoles, desks, switchboards and bases for electrical apparatus other than those of heading No. 8535 or 8536, for electric control or the distribution of electricity, including those incorporating instruments or appliances of heading No. 90, and digital control apparatus, other than

	switchgear of heading No. 8517
8538	Parts intended solely or principally for the apparatus of heading No. 8535, 8536 or 8537
8539	Incandescent or discharge lamps, electrical, including sealed directional lamps and ultraviolet or infra-red lamps; arc lamps; light-emitting diode (LED) light sources
8540	Thermocathode, cold cathode or photocathode electronic lamps and tubes (e.g. vacuum or vapour or gas filled lamps and tubes, mercury arc rectifier lamps and tubes and electron beam tubes, television transmission tubes)
8541	Semiconductor devices (e.g. diodes, transistors, semiconductor converters); photosensitive semiconductor devices, including photovoltaic cells, assembled or not assembled in modules, mounted or not mounted in panels; LEDs, assembled or not assembled with other LEDs; piezoelectric crystals assembled
8542	Electronic integrated circuits
8543	Electrical machinery and apparatus with individual functions not elsewhere in this group, or not included
8544	Insulated (including enamelled or anodised) wires, cables (including coaxial cables) and other insulated electrical conductors with or without connectors; fibre-optic cables made up of individually sheathed fibres, whether or not assembled with electrical conductors or connectors
8545	Carbon electrodes, carbon brushes, lamp or battery coals and graphite or other carbon products, with or without metal, other, used in electrical engineering
8546	Electrical insulators of all materials
8547	Insulating fittings for electrical machinery, apparatus or equipment, made wholly of insulating material, excluding certain metal components (e.g., threaded cartridges), incorporated by moulding for the sole purpose of assembly, other than insulators of heading No. 8546; conduits for electric cables and fittings therefor, of non-precious metal, faced with insulating material
8548 00	Parts of electrical equipment or apparatus not elsewhere specified or included in this group
8549	Waste and scrap electrical and electronic products
8601	Railroad locomotives, externally powered or battery-powered
8602	Railroad locomotives other; locomotive tenders
8603	Motor railway or tramway cars, passenger, goods or baggage, open wagons, other than those of heading No. 8604
8604 00 000 0	Vehicles, self-propelled or non-self-propelled, intended for the repair or maintenance of railway or tramway tracks (e.g. workshop cars, cranes, sleeper stitching machines, puterichting machines, inspection cars and track inspection vehicles)
8605 00 000	Railway or tramway cars, passenger non-self-propelled cars; baggage cars, mail cars and other special railway or tram cars, non-self-propelled (other than those of heading 8604)
8606	Rail cars or tram cars, non-self-propelled freight cars
8607	Parts of railway locomotives or tramway motor cars or rolling stock
8608 00 000	Track equipment and devices for railways or tramways; mechanical (including electromechanical) signalling, safety or traffic control devices on railways, tramways, roads, inland waterways, parking facilities, ports or aerodromes; parts of the said devices and equipment
8609 00	Containers (including tanks for the carriage of liquids or gases) specially designed and equipped for carriage by one or more modes of transport
8701	Tractors (other than tractors of heading 8709)
8702	Motor vehicles designed to carry 10 persons or more, including the driver
8703	Passenger cars and other motor vehicles primarily designed for the carriage of persons (other than motor vehicles of heading No. 8702), including vans and racing cars
8704	Motor vehicles for the transport of goods
8705	Special purpose motor vehicles (e.g. emergency vehicles, crane trucks, fire-

	fighting vehicles, concrete mixers, road sweepers, sprinkler trucks, workshop vehicles, vehicles with x-ray equipment), except those used for the transport of passengers or goods
8706 00	Chassis with fitted engines for motor vehicles of heading No. 8701 to 8705
8707	Bodies (including cabs) for motor vehicles of heading No. 8701 to 8705
8708	Parts and accessories of motor vehicles of heading No. 8701 to 8705
8709	Industrial vehicles, self-propelled, not equipped with lifting or loading devices, used in factories, warehouses, ports or airports for the transport of goods over short distances; tractors used on railway station platforms; parts of the above-mentioned vehicles
8711	Motorbikes (including mopeds) and bicycles with auxiliary engine fitted, with or without pushchairs; pushchairs
8712 00	Two-wheeled bicycles and other bicycles (including three-wheeled delivery bicycles) without engine
8713	Wheelchairs for persons unable to walk, with or without a motor or other mechanical means of locomotion
8714	Parts and accessories for vehicles of heading No. 8711 to 8713
8715 00	Prams for children and their parts
8716	Trailers and semi-trailers; other non self-propelled vehicles; parts thereof
8801 00	Aerostats and airships; gliders, hang-gliders and other non-motorised aircraft
8802	Other aircraft (e.g. helicopters, fixed-wing aircraft), except unmanned aerial vehicles of heading 8806; spacecraft (including satellites) and suborbital and space launch vehicles
8804 00 000 0	Parachutes (including guided parachutes and paragliders) and rotorchutes; their parts and accessories
8805	Aircraft launching equipment; deck braking or similar devices; flight crew ground simulators; parts thereof
8806	Unmanned aerial vehicles
8807	Parts of aircraft of heading 8801, 8802 or 8806
8901	Cruise ships, excursion ships, ferries, cargo ships, barges and similar floating facilities for the transport of passengers or goods
8902 00	Fishing vessels; floating bases and other vessels for processing and preserving fish products
8903	Yachts and other vessels for recreation or sport; rowing boats and canoes
8904 00	Tugs and pushers
8905	Floating lighthouses, fire-fighting vessels, dredgers, floating cranes and other floating facilities for which navigability is secondary to their primary function; floating docks; floating or submerged drilling or production platforms
8906	Ships other than rowing boats, including warships and rescue vessels
8907	Floating structures other (e.g. rafts, floating tanks, caissons, debarkers, buoys and buoys)
8908 00 000 0	Ships and other floating structures intended for scrapping
9001	Optical fibres and fibre optic bundles; optical fibre cables other than in heading No. 8544; polarisation material sheets and plates; lenses (including contact lenses), prisms, mirrors and other optical elements, of any material, not rectified, except such elements of optically untreated glass
9002	Lenses, prisms, mirrors and other optical elements, of any material, assembled as parts of or apparatus for instruments and appliances, other than such elements made of optically unfinished glass
9003	Frames and fittings for spectacles, goggles or similar optical instruments, and parts thereof
9004	Glasses, safety glasses and similar optical devices, corrective, protective or other
9005	Binoculars, monoculars, other telescopes and their fittings; other astronomical instruments and their fittings, except for radio-astronomical instruments
9006	Cameras (other than cine cameras); photoflashes and flash lamps, other than gas discharge lamps of heading No. 8539
9007	Cinematographic cameras and film projectors, whether or not containing sound recording or sound reproducing devices
9008	Image projectors, other than cinematographic; photographic enlargers and

	equipment for projecting enlarged images (other than cinematographic)
9010	Apparatus and equipment for photographic laboratories (including film laboratories), not elsewhere in this group, or not included; projection screens
9011	Sophisticated optical microscopes, including microphotographs, microcapture or microprojection microscopes
9012	Microscopes, other than optical microscopes; diffraction apparatus
9013	Lasers, other than laser diodes; optical instruments and tools, other than those listed elsewhere in this group
9014	Compasses for determining direction; navigational instruments and tools other
9015	Instruments and appliances for surveying or topography (including photogrammetry), hydrography, oceanography, hydrology, meteorology or geophysics, except compasses; rangefinders
9016 00	Scales with a sensitivity of 0.05 g or higher, with or without scales
9017	Drawing, marking and calculating instruments (e.g., drawing machines, pantographs, protractors, drawing sets, slide rule, disc calculators); manual tools for measuring linear dimensions (e.g., measuring rods and tape measures, micrometers, calipers), not elsewhere specified or included in this group
9018	Instruments and appliances used in medicine, surgery, dentistry or veterinary science, including scintigraphic, electromedical, other medical and vision testing apparatus
9019	Apparatus for mechanotherapy; massage apparatus; apparatus for psychological aptitude tests; ozone, oxygen and aerosol therapy, artificial respiration or other therapeutic breathing apparatus
9020 00 000 0	Respiratory equipment other and gas masks other than protective masks without mechanical parts and replacement filters
9021	Orthopaedic appliances, including crutches, surgical belts and bandages; splints and other appliances for treating fractures; artificial body parts; hearing aids and other appliances worn on the body, carried on the body or implanted in the body to compensate for an organ defect or inoperability
9022	X-ray, alpha, beta, gamma or other ionising radiation apparatus, whether or not intended for medical, surgical, dental or veterinary use, including radiographic or radiotherapy apparatus, X-ray tubes and other X-ray generators, high voltage generators, control panels and panels, screens, tables, chairs and similar articles for examination or treatment
9023 00	Instruments, apparatus and models intended for demonstration purposes (e.g. for teaching or exhibiting) and not suitable for other uses
9024	Machines and devices for testing hardness, strength, compression, elasticity or other mechanical properties of materials (e.g. metals, wood, textiles, paper, plastics)
9025	Hydrometers and similar instruments, thermometers, pyrometers, barometers, hygrometers and psychrometers, with or without a recording device, and any combination of these instruments
9026	Devices and apparatus for measuring or checking the flow, level, pressure or other variables of liquids or gases (e.g., flow meters, level gauges, manometers, heat meters), excluding instruments and apparatus of heading No. 9014, 9015, 9028 or 9032.
9027	Instruments and apparatus for physical or chemical analysis (e.g. polarimeters, refractometers, spectrometers, gas or smoke analysers); instruments and apparatus for measuring or checking viscosity, porosity, expansion, surface tension or similar; instruments and apparatus for measuring or checking the quantity of heat, sound or light (including exposure meters); microtomes
9028	Gas, liquid or electricity supply or production meters, including calibration meters
9029	Revolutions counters, production counters, taximeters, mileage counters, pedometers and similar appliances; speedometers and tachometers, other than instruments and instruments of heading No. 9014 or 9015; stroboscopes
9030	Oscilloscopes, spectrum analysers, other instruments and apparatus for measuring or checking electrical values, other than 9028; instruments and

	apparatus for detecting or measuring alpha, beta, gamma, x-ray, cosmic rays or other ionising radiation
9031	Measuring or checking instruments, apparatus and machines, not elsewhere in the grouping or not included; profile projectors
9032	Devices and appliances for automatic regulation or control
9033 00 000 0	Parts and accessories (not elsewhere specified or included) for machines, appliances, instruments or apparatus of group 90

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\* For the purposes of this list, only the TN VED EEA code should be used; the name of the goods is given for ease of reference.