

Methodological note to the Inventory of Export Restrictions on Industrial Raw Materials

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Note: This document and any map included herein are without prejudice to the status of or sovereignty over any territory, to the delimitation of international frontiers and boundaries and to the name of any territory, city or area.

1. Introduction

The use of trade measures restricting exports of industrial raw materials is of concern to policymakers. Policies that impede the flow of exports can negatively impact global supply resulting in upward pressure on world prices and concerns regarding security of supply of raw materials to manufacturers. Despite the heightened prevelance of export barriers, there are relatively few international disciplines or systematic oversight on their use, particularly compared to policies restricting imports.

Starting in 2009, the OECD initiated a program to study the economic effects of export restrictions. As part of the body of work, the OECD created a comprehensive inventory of policies restricting the exports of industrial raw materials.

The aim of the Inventory of Export Restrictions on Industrial Raw Materials (hereafter referred to as the Inventory) is to improve the transparency of the use of these export restrictions. It also offers a databank for empirical analysis in order to advance the understanding of the economic implications of applying these restrictions.

In 2015, the scope of the Inventory was revised to ensure a systematic overview of export-restricting measures by metals and minerals exporting countries. In 2020, the scope of products included for each country in the Inventory was updated to ensure the product scope reflected current patterns of production and exports. In 2021, the country coverage of the inventory was extended to cover one additional product, bismuth, and also 7 countries The 2022 Inventory covers information on 80 exporting countries and 65 commodities. It is the most comprehensive inventory of its kind related to minerals, metals and wood.

2. Methodology

2.1. Product scope

Only industrial raw materials that were considered strategic or critical were included in the Inventory. Many such products are identified in the EU Raw Materials Initiative or listed in the US Strategic and Critical Materials 2013 report. OECD compiled a list of 65 strategic, industrial commodities including 58 mineral and metals, six wood products, and metallic waste and scrap for all minerals and metals covered in the Inventory.

Minerals and Metals (57)

Aluminium	Antimony	Arsenic	Barytes	Bentonite
Beryllium	Bismuth	Borates	Cadmium	Chromium
Cobalt	Coke	Coking coal	Copper	Diamonds
Diatomite	Feldspar	Fluorspar	Gallium	Garnet
Germanium	Gold	Graphite	Gypsum	Indium
Iron and steel	Kaolin	Lead	Limestone	Lithium
Magnesite	Magnesium	Manganese	Mercury	Molybdenum
Nickel	Niobium	Perlite	Phosphates	Pig iron

Platinum group metals (PGMs) ¹	Potash	Rare earths (REE)	Rhenium	Selenium
Silica	Silicon	Silver	Strontium	Talc
Tantalum	Tellurium	Tin	Titanium	Tungsten
Vanadium	Zinc	Zirconium		

Wood (6)

Industrial roundwood coniferous	Sawnwood coniferous
Industrial roundwood non-coniferous non-tropical	Sawnwood non-coniferous non-tropical
Industrial roundwood non-coniferous tropical	Sawnwood non-coniferous tropical

Other

Metal waste and scrap for all metals and minerals included in the Inventory

2.2. Country scope

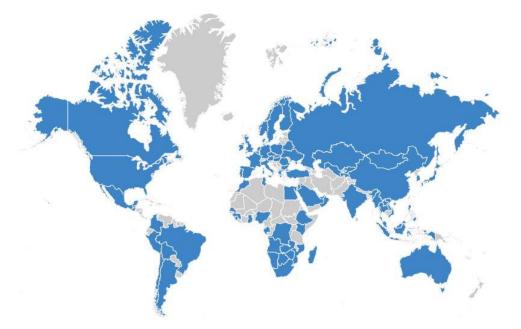
Countries were included in the Inventory if they either produced at least 3% of 2012 global production (in volume terms) or were among the top five producers of any of products listed in section 2.1.² The country scope was reviewed in 2021 to include seven additionnal countries which fit this criteria in 2018. This determined the scope of countries surveyed. For each of the countries in the scope of the Inventory, commodities where the country produced at least 1% of global production in 2017 were surveyed for the existence of export-restricting measures.

Eighty OECD and non-OECD countries producing industrial raw material commodities have been surveyed. These countries accounted for 97% of the world production of minerals and metals and 82% of world production of wood in 2018.

¹ Platinum group metals (PGM) that include platinum, palladium, and all other PMG metals (rhodium, iridium, osmium and ruthenium).

² The sources for production data include: USGS Mineral Commodity Summaries, British Geological Survey, IEA for coke and coking coal, ITTO and UNECE for wood.

Figure 1. Country coverage of the 2022 Inventory



Detailed information on the specific products researched for each country can be found in Annex 1.

2.3. Classification used

Export restrictions were entered into the database at the 6-digit level using the Harmonised System (HS) 2007 nomenclature³. If a measure was applied at the HS8 or HS10 digit level and the information is available in the data source, this detail is record in the respective field in the Inventory.

Included are products in their raw and semi-processed forms from the following HS chapters and their sub chapters:

• HS25 (Salt; sulphur; earths and stone; plastering materials, lime and cement) - all HS 6-digit codes

• HS26 (Ores, slag and ash) - all HS 6-digit codes

• HS27 (Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral waxes): only HS 270112 (Bituminous coal, whether/not pulverised but not agglomerated) and HS 270400 (Coke & semi-coke of coal/lignite/peat, whether/not agglomerated; retort carbon)

• HS28 (Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, of radioactive elements or of isotopes) - all HS 6-digit codes

• HS31 (Fertilisers): only HS 310420 (Potassium chloride), HS 310430

³ The Inventory uses the HS 2007 nomenclature. If a country has moved to using the HS 2012 nomenclature, the 6-digit level code converted back to the HS2007 nomenclature. Among the products in the scope of the Inventory, only two were revised between the two versions: borates and mercury.

(Potassium sulphate) and HS 310490 (Mineral/chemical fertilisers, potassic (excl. of 3104.20 & 3104.30))

• HS44 (Wood and articles of wood; wood charcoal): all HS6 codes in the following sub-chapters: HS 4403 (Wood in the rough, whether or not stripped of bark or sapwood, or roughly squared); HS 4407 (Wood sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or end-jointed, of a thickness exceeding 6mm) and HS 4412 (Plywood, veneered panels and similar laminated wood)

• HS71 (Natural or cultured pearls, precious or semi-precious stones, precious metals, metals clad with precious metal, and articles thereof; imitation jewellery; coin) - all HS 6-digit codes

- HS72 (Iron and steel) - all HS 6-digit codes
- HS73 (Articles of iron or steel) all HS 6-digit codes
- HS74 (Copper and articles thereof) all HS 6-digit codes
- HS75 (Nickel and articles thereof) all HS 6-digit codes
- HS76 (Aluminum and articles thereof) all HS 6-digit codes
- HS78 (Lead and articles thereof) all HS 6-digit codes
- HS79 (Zinc and articles thereof) all HS 6-digit codes
- HS80 (Tin and articles thereof) all HS 6-digit codes
- HS81 (Other base metals; cermets; articles thereof) all HS 6-digit codes

See Annex 2 for the list of HS 2007 codes included in the Inventory along with the associated product name.

2.4. Type of measure and its value

The database records export restrictions applied during the period of 2009–2021. Information on export restrictions was collected from official websites and documents issued by the governments of the producing countries. These can include Ministries in charge of economy, trade, industry, mining, forestry or foreign affairs as well as customs agencies. Sources of information on policies that restrict exports include legal acts, rules, regulations, public notices, circulars and notifications by ministries published on their websites. Secondary sources, such as news articles, were used to identify export measures applied by a country or changes made to measures during the survey year. However, only measures that can be substantiated from official sources were entered into the database.

The Inventory records measures known or suspected to restrain export activity. These measures typically increase the relative price of exported products, decrease the quantity supplied or change the terms of competition among suppliers. The list of surveyed measures is exhaustive, including export taxes, prohibitions and nonautomatic licensing requirements, and any other export restricting measure. Definitions of the measures covered are provided below in Table 1.

Export controls that are in place to comply with international conventions and agreements limiting trade in certain goods such as the Kimberley Process for diamonds, the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) for some wood products, the Rotterdam Convention as regards some chemical products and the Basel Convention regarding metallic waste and scrap are not included in the Inventory of export restrictions on industrial raw materials. Note that the export controls in place in the context of these agreements and conventions are generally expressed at a more detailed level than HS 6-digit products, and most national regulations indicate that such restrictions are in place in order to comply with these international agreements.

Dual-use items are goods, software and technology that can be used for both civilian and military applications. Many countries control exports of dual-use items which are included in international treaties, conventions and resolutions such as UN Security Council Resolution 1540, the Nuclear Non-Proliferation Treaty, the Chemical Weapons Convention, the Wassenaar Arrangement, the Nuclear Suppliers Group and the Missile Technology Control Regime. Export licenses and bans on goods that can be identified within the scope of these regimes are not included in the OECD Inventory of export restrictions. Similarly, the Minamata Convention regulates trade in mercury so those export controls should not be recorded.

Export controls that are implemented in the context of bilateral sanctions, in particular in the context of United Nations monitored trade with select countries, are not included in the Inventory of export restrictions on industrial raw materials.

Table 1. Measures restricting exports and their definitions

Export restriction (Code used in database)	Definition
Export tax (M1)	A tax collected on goods or commodities at the time they leave a customs territory. This tax can be set either on a <i>per unit</i> basis or an <i>ad valorem</i> (percentage of value) basis. Other terms equivalent to export tax: export tariff, export duty, export levy, export charge.
Fiscal tax on exports (M5)	A tax not paid at the border, but which applies only or discriminates against goods or commodities intended for export. An example is when the <i>sales tax</i> which a government charges is higher for goods or commodities intended for exportat than when these goods or commodities are offered for sale in the domestic market. Another term equivalent to fiscal tax on exports: <i>export royalty</i> .
Export surtax (M2)	A tax collected on goods or commodities at the time they leave a customs territory, and which is applied in addition to the normal export tax rate. They can be part of a progressive tax system or can be adapted to price trends and thus be of a temporary nature. Example: a US\$10 surcharge is applied on each ton of a commodity exported when the world price of this commodity exceeds US\$1,800 a ton. Other terms equivalent to export surtax: export surcharge.
Export quota (M3)	A prescribed maximum volume of permitted exports.
Export prohibition (M4)	No exports are permitted. Exceptions may be granted through export licences. Other terms equivalent to export prohibition: export ban, export embargo .
Non-automatic export licensing requirement (M6)	Exporters must obtain prior approval, in form of a license, to export a good or commodity. This practice requires submission of an application or other documentation as a condition for being authorised to export. Although export licensing regimes may vary in their impact on exports, with some regimes that have a fairly small economic impact, at the very least, such regimes increase the amount of time needed to engage in trade. Licensing schemes can operate on the basis of product lists of various types, usually lists of restricted products that require licences, be applied to restrict exports by destination (e.g. specific countries) or have other conditions attached, such as a requirement that exportation may only be for a specified purpose. Other terms equivalent to non-automatic licensing: <i>export permit</i> .
Minimum export price / price reference for exports (M7)	A minimum allowable price for a good being exported. This practice is often used in conjunction with export taxes in order to prevent under-invoicing and can be used as a base to calculate export taxes. In some cases, minimum export prices are not binding but are used as reference prices. Other terms equivalent to minimum export price: administered pricing .
VAT tax rebate reduction / withdrawal (M9)	Most countries with a VAT system will rebate the VAT on exports. By denying VAT reimbursement in whole or part, it is relatively less advantageous to export a product than to sell it domestically. This measure is usually used to encourage downstream production of products produced locally that use the raw material input. A variant is the removal or reduction of rebate from <i>other sales taxes</i> on exports of a product.
Restriction on customs clearance point for exports (M10)	The government specifies ports or customs offices through which export of a good or commodity is to be channelled.

Qualified exporters list (M11)	The right to export a certain commodity are allocated to specific companies by the government, through a process of application and registration.
Domestic market obligation (M12)	The requirement for producers to allocate a proportion of their annual production output for sale to the domestic market. Domestic market obligations are sometimes part of production sharing contracts or contracts allowing extraction by foreign firms.
Captive mining (M13)	When a processing company is required to own the mine, which produces its inputs or has been awarded captive mining rights with the intent that the company will mine the commodity for use in its own domestic processes and not trade it. Captive mining is a form of government support for firms with access to captive supplies, as well as a means to control the price and availability of a commodity. When captive mining concessions increase (as a share of production), exports are likely to fall.
Other export measures (M14)	Measures not elsewhere specified, but which influence <i>de jure</i> or <i>de facto</i> the level or direction of exports of industrial raw materials.

Source: Adapted from OECD, Analysis of non-tariff measures: the case of export restrictions (TAD/TC/WP(2003)7/FINAL, April 4, 2003, p.8; Joanna Bonarriva et al, Export controls: An overview of their use, economic effects, and treatment in the global trading system, Office of Industries Working Paper No. ID-23, US International Trade Commission, August 2009, p. 2; Jeonghoi Kim, Recent trends in export restrictions on raw materials OECD Trade Policy Working Papers, No. 101, OECD Publishing, 2010, p 6 and 12.

Table 2. Unit value of measures

Export tax	In percentage of export value (ad valorem) or in value
Export surtax	In percentage
Fiscal tax on exports	In percentage of FOB value
Quota	In volume or units of quota reported by the official source
Export prohibition	Length of the prohibition period, if the measure is temporary, for example 180 days
Licensing requirement	N Non-Automatic
Minimum export price / price reference for exports	In USD / kg or USD/ m ³ , as reported by the official source
VAT tax rebate reduction/withdrawal	Reduction in percentage
Other export measures (not defined elsewhere) for example congestion charge and punitive charges for overloading	Measure specific

3. Structure of the inventory

Table 3 describes the data fields of the Inventory.

Table 3. Inventory variables and their description

	Variable	Description					
Se	lection criteria:						
1.	Country (cou)	Select the country of interest from the drop down menu.					
2.	Commodity and HS 6 digit code (HS6)	Select the commodity of interest from the drop down menu. Commodities are listed by. The HS6 code and title (HS2007).					
3.	Year (year)	Select the year from the drop down menu. Refers to a year when the measure was in force.					
4.	Type of measure (tom)	Select the type of measure from the drop down menu. Measures are explained in the Table 1.					
		In tomx column, a suffix (a, b, c, etc.) distinguishes between measures taken in the same year. For example:					
		M6 Licensing requirement					
		M6_a Licensing requirement (a)					
		M6_b Licensing requirement (b)					
		Licensing requirement (a) may be a revision of Licensing requirement (b).					
	Fields:						
5.	HS8 or HS10 digit code (HS8)	HS8 or HS10 digit code if it has been indicated in the information source.					
6.	Value (val)	Where applicable, a value of the measure (e.g. rate of tax). See Table 2.					
7.	Shared value (val_shared)	Where applicable, shows the total value of the measure which two or more product share, for example when the volume of a quota is assigned to a group of products.					
8.	Sharing products (val_shared_products)	Where applicable, this field stores a list of the products to which the above- mentioned measures apply.					
9.	Unit (val_unit)	Unit of the value of the measure, for example % or EUR/tonne.					
10.	Direction of change (dir)	Describes how restrictive the measure has become compared to the previous survey year or, if a measure was changed mid year, the previous version of the measure.					
		introduction - new measure introduced.					
		left unchanged - no change to the restrictiveness of the measure.					
		increase - measure has become more restrictive.					
		decrease - measure has become less restrictive.					
		elimination - measure was eliminated via legislation or decree.					
		extension - official source document states the measure was extended unchanged (i.e. the time period that the measure remains in effect was prolonged).					
		revision - official source document states it was a revision and we could not determine how restrictiveness has changed.					
		reintroduction - measure expired and was introduced again without any changes except for the date of introduction and/or end date of measure.					
		indeterminable – could not determine the change in restrictiveness.					

Variable	Description
	Description
 Date of introduction or change (dati) 	DD/MM/YYYY. The date when the measure first entered into force or revision took effect, per law/regulation/decree.
2. Ending date (end)	DD/MM/YYYY. The date when the measure was ended, per law/regulation/decree. Applies only if measure is temporary or has been changed.
13. Is measure temporary? (temp)	Yes, if a law/regulation/decree specifies that the measure is of a specified short duration, (e.g. six months). Otherwise No.
 Exemptions granted (exem) 	Yes, if specified countries or firms are exempted from the measure. Explanation for exemption is provided. Otherwise No.
15. Agency hosting public information (host)	Name of authority which publishes a notice or other information on its website. This authority may be the same or different from the authority in charge of the measure.
 Name of document (nod) 	Title of the notice/document providing information about the measure.
17. Link to notice / document (link)	Hyper link to the notice/document about the measure. OECD is not responsible for the content or availability of external sites.
18. Legal basis for measure (leg)	Title of law/regulation/decree authorising or mandating the measure.
19. Agency in charge of measure (agen)	Name of government authority responsible for the implementation and administration of the measure. This authority may be the same or different from the authority hosting information about the measure.
20. Implementation procedures (impl)	Where available, a summary description of procedural aspects of the measure (e.g. measure is applied for a specified time but can be extended, criteria that must be met for obtaining an export licence).
21. Purpose of measure (pom)	Stated policy objective(s) of the measure found in an official document or explained by a government official, categorized into following labels. Conservation of natural resources Control of foreign exchange Control of illegal mining activity Generate revenue Health and/or environmental protection Monitoring / control of export activity Product is strategic for the economy Promote further processing / value added Protect local downstream industry Safeguard domestic supply
	Other
22. Additional information (add)	For information not recordable elsewhere.

Annex 1. Countries and products researched as of 10 December 2022

Note for the reader: "x" stands for restrictions reported in the Inventory and "vn" for no restriction reported.

								e invento	•					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Angola	Diamonds	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	vn	Х	Х	Х	Х	Х	vn						
Argentina	Aluminium	vn	vn	vn	vn	vn	vn	vn						
	Bentonite	vn	vn	vn	vn	vn	vn	vn						
	Borates	Х	х	Х	Х	Х	Х	Х	Х	vn	Х	Х	Х	Х
	Copper	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Diatomite	vn	vn	vn	vn	vn	vn	vn						
	Feldspar	vn	vn	vn	vn	vn	vn	vn						
	Gold	vn	vn	vn	vn	vn	vn	vn						
	Gypsum	vn	vn	vn	vn	vn	vn	vn						
	Iron and steel	Х	х	Х	Х	Х	Х	Х	Х	vn	Х	Х	Х	Х
	Lithium	х	х	Х	Х	Х	Х	Х	Х	vn	Х	Х	Х	Х
	Silver	vn	vn	vn	vn	vn	vn	vn						
	Strontium	х	х	Х	Х	Х	Х	Х	Х	vn	Х	Х	Х	Х
	Metal waste and scrap	х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Industrial roundwood non- coniferous non-tropical	х	х	Х	Х	Х	х	х	vn	vn	Х	х	х	х
	Sawnwood non-coniferous non-tropical	Х	Х	х	Х	Х	х	х	vn	vn	х	Х	Х	х
Australia	Aluminium	vn	vn	vn	vn	vn	vn	vn						
	Antimony	vn	vn	vn	vn	vn	vn	vn						
	Cadmium	vn	vn	vn	vn	vn	vn	vn						
	Chromium	vn	vn	vn	vn	vn	vn	vn						
	Cobalt	vn	vn	vn	vn	vn	vn	vn						
	Coking coal	vn	vn	vn	vn	vn	vn	vn						
	Copper	vn	vn	vn	vn	vn	vn	vn						
	Diamonds	vn	vn	vn	vn	vn	vn	vn						
	Garnet	vn	vn	vn	vn	vn	vn	vn						
	Gold	vn	vn	vn	vn	vn	vn	vn						
	Gypsum	vn	vn	vn	vn	vn	vn	vn						
	Iron and steel	vn	vn	vn	vn	vn	vn	vn						
	Lead	vn	vn	vn	vn	vn	vn	vn						
	Limestone	vn	vn	vn	vn	vn	vn	vn						
	Lithium	vn	vn	vn	vn	vn	vn	vn						
	Magnesite	vn	vn	vn	vn	vn	vn	vn						
	Manganese	vn	vn	vn	vn	vn	vn	vn						
	Nickel	vn	vn	vn	vn	vn	vn	vn						
	Phosphates	vn	vn	vn	vn	vn	vn	vn						
	Rare-earth elements	vn	vn	vn	vn	vn	vn	vn						
	Silica	vn	vn	vn	vn	vn	vn	vn						
	Silicon	vn	vn	vn	vn	vn	vn	vn						
	Silver	vn	vn	vn	vn	vn	vn	vn						
	Talc	vn	vn	vn	vn	vn	vn	vn						
	Tin	vn	vn	vn	vn	vn	vn	vn						
	Titanium	vn	vn	vn	vn	vn	vn	vn						
	Zinc	vn	vn	vn	vn	vn	vn	vn						
	Zirconium	vn	vn	vn	vn	vn	vn	vn						
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn						
	Industrial roundwood coniferous	x	X	X	X	x	x	x	x	x	X	x	x	x

								e invento	•					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Industrial roundwood non- coniferous non-tropical	Х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х
	Sawnwood coniferous	х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Sawnwood non-coniferous non-tropical	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х
Austria (EU)	Magnesite	vn	vn	vn	vn	vn	vn							
	Pig iron	vn	vn	vn	vn	vn	vn							
	Silica	vn	vn	vn	vn	vn	vn							
	Talc	vn	vn	vn	vn	vn	vn							
	Tungsten	vn	vn	vn	vn	vn	vn							
	Metal waste and scrap	vn	vn	vn	vn	vn	vn							
	Industrial roundwood coniferous	vn	vn	vn	vn	vn	vn							
	Sawnwood coniferous	vn	vn	vn	vn	vn	vn							
Belarus	Potash	Х	х	Х	Х	Х	х	х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	vn	Х	х	Х	х	х	х	х	Х	х	х	х	х
Belgium (EU)	Arsenic	vn	vn	vn	vn	vn	vn							
	Indium	vn	vn	vn	vn	vn	vn							
	Kaolin	vn	vn	vn	vn	vn	vn							
	Limestone	vn	vn	vn	vn	vn	vn							
	Selenium	vn	vn	vn	vn	vn	vn							
	Metal waste and scrap	vn	vn	vn	vn	vn	vn							
Bolivia	Antimony	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Borates	vn	vn	vn	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Lead	vn	vn	vn	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Silver	vn	vn	vn	Х	Х	Х	Х	X	Х	Х	Х	Х	Х
	Tin	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Tungsten	Х	Х	Х	Х	Х	Х	X	X	Х	Х	Х	Х	Х
	Zinc	vn	vn	vn	vn	vn	Х	Х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Sawnwood non-coniferous tropical	vn	Х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х
Botswana	Diamonds	vn	vn	vn	vn	vn	vn							
	Nickel	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	PMG	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	Х	Х	Х	Х	Х	Х	Х
Brazil	Aluminium	vn	vn	vn	vn	vn	vn							
	Bentonite	vn	vn	vn	vn	vn	vn							
	Cadmium	vn	vn	vn	vn	vn	vn							
	Chromium	vn	vn	vn	vn	vn	vn							
	Cobalt	vn	vn	vn	vn	vn	vn							
	Coke	vn	vn	vn	vn	vn	vn							
	Copper	vn	vn	vn	vn	vn	vn							
	Feldspar Gold	vn	vn	vn	vn	vn	vn							
		vn	vn	vn	vn	vn	vn							
	Graphite	vn	vn	vn	vn	vn	vn							
	Gypsum Iron and steel	vn x	vn	vn	vn	vn	vn	vn						
	Kaolin		X	X	X	X	X	X	X	X	X	X	X	X
	Limestone	vn	vn	vn	vn	vn	vn							
	Magnesite	vn	vn	vn	vn	vn	vn							
		vn	vn	vn	vn	vn	vn							
	Magnesium	X	X	X	X	X	X	X	X	X	X	X	X	X
	Manganese	vn	vn	vn	vn	vn	vn							
														vn
														vn vn
	Nickel Niobium Phosphates	vn vn vn		vn vn vn	vn vn	vn vn vn	vn vn vn vn							

							In the	e inventor	y					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Pig iron	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Potash	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Rare-earth elements	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Silicon	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Talc	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Tantalum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Tin	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Titanium	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Vanadium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Zinc	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Zirconium	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Industrial roundwood coniferous	х	Х	Х	Х	Х	Х	Х	Х	х	Х	Х	Х	Х
	Industrial roundwood non- coniferous non-tropical	х	Х	х	Х	Х	х	Х	х	х	Х	х	Х	х
	Industrial roundwood non- coniferous tropical	Х	Х	х	Х	х	х	Х	Х	х	х	х	х	Х
	Sawnwood coniferous	Х	Х	х	Х	Х	Х	Х	Х	х	Х	х	Х	Х
	Sawnwood non-coniferous tropical	Х	Х	х	х	х	х	Х	X	х	Х	х	Х	х
Bulgaria (EU)	Tellurium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Burundi	Tantalum	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Canada	Aluminium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Antimony	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Cadmium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Cobalt	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coking coal	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Copper	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Diamonds	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gold	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Graphite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gypsum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Lead	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Limestone	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Magnesite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Molybdenum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Nickel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Pig iron	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	PMG	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Potash	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Selenium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silica	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silicon	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silver	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Talc	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Tantalum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Tellurium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Titanium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
		vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Zinc	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn

							In the	e invento	ry					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Industrial roundwood coniferous	Х	х	х	Х	Х	х	Х	х	Х	х	х	Х	Х
	Industrial roundwood non- coniferous non-tropical	Х	Х	х	х	х	х	х	х	х	х	х	х	х
	Sawnwood coniferous	х	х	Х	Х	Х	Х	Х	vn	vn	vn	vn	vn	vn
	Sawnwood non-coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Chile	Arsenic	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Borates	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Copper	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Diatomite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gold	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Lithium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Mercury	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Molybdenum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Potash	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Rhenium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Selenium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silica	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silver	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Industrial roundwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood non- coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Sawnwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
China	Aluminium	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Antimony	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Arsenic	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Barytes	Х	х	Х	Х	Х	Х	Х	Х	vn	vn	vn	vn	vn
	Bentonite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Beryllium	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Bismuth	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Borates	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Cadmium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Chromium	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Cobalt	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Coke	X	X	X	X	X	X	X	X	X	X	X	X	X
	Coking coal	X	X	X	X	X	X	X	X	X	X	X	X	X
	Copper	X	X	X	X	X	X	X	X	X	X	X	X	X
	Diatomite Feldspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
		vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Fluorspar Garnet	X	X	X	X	X	X	X	X	X	X	X	X	X
	Gold	vn	vn	vn	vn x	vn	vn x	vn	vn x	vn	vn x	vn x	vn vn	vn
	Graphite	x	X	X		X	X	X	X	X	vn	vn	vn	vn
	Gypsum	vn	x vn	x vn	x vn	x vn	vn	x vn	vn	x vn	vn	vn	vn	vn vn
	Iron and steel	X	X	X	X	X	X	X	X	X	X	X	X	X
	Kaolin	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Lead	X	X	X	X	X	X	X	X	X	X	X	X	X
	Limestone	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Lithium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Magnesite	X	X	X	X	X	X	X	X	X	X	X	X	X
	magnoono	А	A	~	~	~	~	~	~	~	~	~	~	~
	Magnesium	х	х	х	Х	х	vn	vn	vn	vn	vn	vn	vn	vn

							In the	e invento	v					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
,	Mercury	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Molybdenum	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Nickel	х	х	х	Х	х	Х	Х	х	х	Х	х	х	х
	Perlite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Phosphates	х	х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х
	Pig iron	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Potash	х	х	х	Х	х	Х	Х	х	х	Х	х	vn	vn
	Rare-earth elements	Х	х	х	Х	Х	Х	Х	х	х	Х	Х	Х	х
	Silicon	Х	х	х	х	х	Х	х	Х	Х	Х	Х	х	х
	Silver	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Strontium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Talc	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Tantalum	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Tin	Х	х	Х	х	Х	Х	х	Х	Х	Х	Х	Х	Х
	Titanium	Х	х	Х	х	Х	Х	х	Х	Х	Х	Х	Х	Х
	Tungsten	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Vanadium	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Zinc	Х	Х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х
	Zirconium	х	Х	х	х	х	х	х	х	х	х	х	х	х
	Metal waste and scrap	Х	Х	х	Х	х	Х	х	х	х	Х	х	х	х
	Industrial roundwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood non- coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood non- coniferous tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Sawnwood coniferous	Х	х	х	х	Х	Х	х	Х	Х	vn	vn	vn	vn
	Sawnwood non-coniferous non-tropical	х	Х	х	Х	Х	Х	Х	Х	х	Х	Х	Х	Х
	Sawnwood non-coniferous tropical	Х	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Colombia	Gold	х	х	х	х	х	Х	х	х	х	Х	х	х	х
	Nickel	Х	х	х	х	Х	Х	х	Х	Х	Х	Х	Х	х
	PMG	х	х	х	х	х	Х	х	х	х	Х	х	х	х
	Metal waste and scrap	Х	х	х	х	Х	Х	х	Х	Х	Х	Х	Х	х
Czech Republic (EU)	Bentonite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coking coal	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Diatomite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Feldspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Kaolin	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silica	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Sawnwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Dem Rep of Congo	Cobalt	X	Х	х	Х	Х	Х	x	х	х	Х	Х	х	х
-	Copper	х	Х	х	х	Х	Х	х	х	х	х	Х	х	х
	Diamonds	х	Х	Х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х
	Gold	х	Х	х	х	х	х	х	х	х	х	х	х	х
	Tantalum	х	Х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	х
	Tin	х	Х	х	х	Х	Х	х	х	х	х	х	х	х
	Metal waste and scrap	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Industrial roundwood non- coniferous tropical	Х	Х	х	х	х	х	х	х	х	х	х	х	Х

							In the	e invento	у					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Denmark (EU)	Diatomite	vn	vn	vn	vn	vn	vn	vn						
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn						
Egypt	Aluminium	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Feldspar	vn	vn	vn	vn	vn	vn	Х	Х	Х	Х	Х	Х	Х
	Iron and steel	vn	vn	vn	vn	vn	vn	vn						
	Kaolin	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Phosphates	X	Х	Х	X	Х	Х	Х	Х	Х	X	Х	Х	Х
	Silicon Talc	vn	vn	vn	vn	vn	vn	vn						
		x	X	X	X	X	X	X	X	X	X	X	X	X
Ethiopia	Metal waste and scrap Tantalum	x	x	X X	x	x	X X	x	X X	X X	x	X X	x	X X
стпоріа	Metal waste and scrap	x	x	x	x	x	x	x	x	x	x	x	X	x
Finland (EU)	Chromium	vn	vn	vn	vn	vn	vn	vn						
	Cobalt	vn	vn	vn	vn	vn	vn	vn						
	Iron and steel	vn	vn	vn	vn	vn	vn	vn						
	Nickel	vn	vn	vn	vn	vn	vn	vn						
	PMG	vn	vn	vn	vn	vn	vn	vn						
	Selenium	vn	vn	vn	vn	vn	vn	vn						
	Silica	vn	vn	vn	vn	vn	vn	vn						
	Silver	vn	vn	vn	vn	vn	vn	vn						
	Talc	vn	vn	vn	vn	vn	vn	vn						
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn						
	Industrial roundwood coniferous	vn	vn	vn	vn	vn	vn	vn						
	Industrial roundwood non- coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn						
	Sawnwood coniferous	vn	vn	vn	vn	vn	vn	vn						
France (EU)	Aluminium	vn	vn	vn	vn	vn	vn	vn						
	Coke	vn	vn	vn	vn	vn	vn	vn						
	Diatomite	vn	vn	vn	vn	vn	vn	vn						
	Feldspar	vn	vn	vn	vn	vn	vn	vn						
	Gypsum	vn	vn	vn	vn	vn	vn	vn						
	Indium	vn	vn	vn	vn	vn	vn	vn						
	Iron and steel	vn	vn	vn	vn	vn	vn	vn						
	Kaolin	vn	vn	vn	vn	vn	vn	vn						
	Limestone	vn	vn	vn	vn	vn	vn	vn						
	Pig iron	vn	vn	vn	vn	vn	vn	vn						
	Silica	vn	vn	vn	vn	vn	vn	vn						
	Silicon	vn	vn	vn	vn	vn	vn	vn						
	Talc	vn	vn	vn	vn	vn	vn	vn						
	Metal waste and scrap	vn vn	vn vn	vn vn	vn vn	vn vn	vn vn	vn vn						
	coniferous Industrial roundwood non-	vn	vn	vn	vn	vn	vn	vn						
	coniferous non-tropical Sawnwood coniferous	vn	vn	vn	vn	vn	vn	vn						
	Sawnwood connerous Sawnwood non-coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn						
Gabon	Manganese	x	х	х	х	х	х	x	х	х	х	х	х	х
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	x	x	X	X	X	X	X
	Sawnwood non-coniferous tropical	x	X	X	X	X	X	X	x	X	X	X	X	x
Germany (EU)	Aluminium	vn	vn	vn	vn	vn	vn	vn						
	Barytes	vn	vn	vn	vn	vn	vn	vn						
	Bentonite	vn	vn	vn	vn	vn	vn	vn						
	Cadmium	vn	vn	vn	vn	vn	vn	vn						

							In the	e inventor	у					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Coke	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coking coal	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Feldspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Fluorspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gypsum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Kaolin	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Limestone	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Pig iron	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Potash	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Selenium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silica	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silicon	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood non- coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Sawnwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Sawnwood non-coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Ghana	Gold	Х	х	Х	Х	Х	Х	х	Х	Х	Х	х	Х	х
	Manganese	Х	х	Х	Х	Х	Х	х	Х	Х	Х	х	Х	х
	Metal waste and scrap	Х	х	Х	Х	Х	Х	х	Х	Х	Х	х	Х	х
	Sawnwood non-coniferous tropical	Х	х	х	х	Х	х	Х	х	х	х	х	х	х
Greece (EU)	Aluminium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Bentonite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Magnesite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Nickel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Perlite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Guatemala	Nickel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silver	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	Х	х	Х	х	х	Х	х	Х	х	х	х	х	х
Guinea	Aluminium	х	х	х	Х	Х	Х	х	х	х	х	х	х	х
	Gold	Х	х	Х	Х	Х	Х	х	Х	Х	х	х	х	х
	Metal waste and scrap	х	х	х	Х	х	х	х	х	х	х	Х	Х	х
Hungary (EU)	Perlite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
India	Aluminium	х	х	х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х
	Barytes	х	х	Х	Х	х	Х	х	х	Х	Х	Х	Х	Х
	Bentonite	X	X	X	X	X	X	X	X	X	X	X	X	X
	Cadmium	x	X	x	X	x	X	X	X	X	X	X	X	x
	Chromium	x	X	X	X	x	X	X	x	X	X	x	X	x
	Coke	x	X	X	X	x	X	X	x	X	X	x	X	x
	Coking coal	x	X	x	X	x	x	X	x	x	X	X	X	x
	Feldspar	x	X	X	X	x	x	X	x	x	X	X	X	x
	Garnet	x	X	x	X	x	X	X	x	x	X	X	X	x
	Graphite	x	X	X	X	x	x	X	x	x	X	X	X	x
	Gypsum	x	X	x	X	x	x	X	x	x	X	X	X	x
	Iron and steel	x	X	x	X	x	X	X	x	X	X	x	X	x
	Kaolin	x	X	x	X	x	X	x	x	x	X	x	X	x
	Lead	x	X	x	X	X	X	X	X	x	X	X	X	x
														~
	Limestone	x	X	x	X	x	X	X	x	x	X	X	X	Х

							In the	e inventor	v					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Manganese	Х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х
	Phosphates	Х	х	Х	Х	х	х	х	х	Х	Х	Х	Х	х
	Pig iron	х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
	Rare-earth elements	Х	х	Х	Х	х	х	х	х	х	х	Х	Х	х
	Selenium	Х	х	Х	Х	х	Х	х	х	Х	Х	Х	Х	х
	Silica	Х	х	Х	Х	х	х	х	х	х	х	Х	Х	х
	Silicon	х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х
	Silver	Х	х	Х	Х	х	х	х	х	х	х	Х	Х	х
	Talc	х	х	Х	Х	Х	х	х	х	Х	Х	Х	Х	Х
	Titanium	Х	х	Х	Х	х	х	х	х	Х	Х	Х	Х	х
	Zinc	Х	х	Х	Х	х	Х	х	х	Х	Х	Х	Х	х
	Zirconium	Х	х	Х	Х	х	х	х	х	х	х	х	Х	х
	Metal waste and scrap	Х	х	Х	Х	х	Х	х	х	Х	Х	Х	Х	х
	Industrial roundwood non- coniferous tropical	Х	Х	х	Х	х	х	Х	х	Х	х	Х	Х	Х
	Sawnwood coniferous	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
	Sawnwood non-coniferous tropical	х	Х	х	Х	х	х	Х	х	х	х	х	Х	Х
Indonesia	Aluminium	х	Х	vn	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Cobalt	vn	vn	vn	Х	Х	Х	Х	х	Х	Х	Х	Х	Х
	Copper	х	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Gold	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
	Nickel	Х	х	vn	Х	х	Х	х	Х	Х	Х	Х	Х	х
	Silver	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
	Tin	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
	Zirconium	х	х	vn	Х	Х	Х	х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
	Industrial roundwood coniferous	Х	Х	х	Х	х	х	Х	х	х	х	х	Х	х
	Industrial roundwood non- coniferous tropical	Х	Х	х	Х	х	х	Х	х	х	х	х	Х	х
	Sawnwood non-coniferous tropical	Х	Х	х	Х	х	х	Х	х	х	х	х	х	х
Ireland (EU)	Aluminium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Lead	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Zinc	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Israel	Magnesium	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
	Phosphates	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
	Potash	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	Х	Х	Х	Х	Х	х	Х	х	Х	х	х	Х	Х
Italy (EU)	Bentonite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coke	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Diatomite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Feldspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gypsum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Indium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Limestone	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Perlite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Pig iron	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silica	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Talc	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Jamaica	Aluminium	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	Х	Х	Х	Х	Х	Х	х	х	Х	Х	Х	Х	Х

							In the	e invento	Ŷ					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Japan	Bentonite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Bismuth	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Cadmium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coke	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Diatomite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Feldspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gypsum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Limestone	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Perlite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Pig iron	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	PMG	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Selenium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silica	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Talc	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Tellurium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Vanadium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	Х	Х	Х	Х	Х	Х	Х	х	Х	Х	Х	х	х
	Industrial roundwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood non- coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Sawnwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Jordan	Phosphates	Х	х	Х	х	х	Х	vn	vn	vn	vn	vn	vn	vn
	Potash	Х	х	Х	Х	Х	Х	Х	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	Х	х	Х	х	х	Х	х	Х	Х	Х	Х	Х	Х
Kazakhstan	Aluminium	Х	х	Х	х	х	Х	х	Х	Х	Х	Х	Х	Х
	Barytes	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Bismuth	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Borates	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Cadmium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Chromium	Х	х	Х	Х	Х	vn	vn	vn	vn	vn	vn	vn	vn
	Coking coal	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Copper	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Fluorspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gold	vn	vn	vn	vn	х	Х	х	Х	Х	Х	Х	Х	Х
	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Lead	vn	vn	vn	vn	Х	Х	х	Х	Х	Х	Х	Х	Х
	Magnesium	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Manganese	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Phosphates	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silver	vn	vn	vn	vn	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Zinc	vn	vn	vn	vn	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	Х	Х	Х	Х	Х	Х	Х	х	х	Х	Х	х	Х
Kenya	Fluorspar	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Titanium	Х	Х	Х	Х	Х	Х	Х	х	Х	Х	Х	х	Х
	Zirconium	Х	Х	Х	Х	Х	Х	Х	х	х	Х	х	Х	Х
	Metal waste and scrap	Х	Х	Х	Х	Х	Х	Х	х	Х	Х	Х	х	Х
Korea, Republic of	Bismuth	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Cadmium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coke	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Diatomite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Feldspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn

							In the	e inventor	Υ					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Kaolin	vn	vn	vn	vn	vn	vn	vn						
	Limestone	vn	vn	vn	vn	vn	vn	vn						
	Pig iron	vn	vn	vn	vn	vn	vn	vn						
	Silica	vn	vn	vn	vn	vn	vn	vn						
	Talc	vn	vn	vn	vn	vn	vn	vn						
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn						
Kyrgyzstan	Antimony	vn	Х	Х	Х	Х	Х	Х						
	Kaolin	vn	vn	vn	vn	vn	vn	vn						
	Mercury	vn	vn	vn	vn	vn	vn	vn						
	Metal waste and scrap	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Lao People's Democratic Republic	Bismuth	vn	vn	vn	vn	vn	vn	vn						
	Metal waste and scrap	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Madagascar	Beryllium	Х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х
	Cobalt	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Nickel	х	Х	Х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х
	Rare-earth elements	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Titanium	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Malaysia	Aluminium	vn	vn	vn	vn	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Feldspar	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Iron and steel	vn	vn	vn	vn	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Kaolin	X	X	Х	X	X	X	X	X	X	Х	Х	Х	Х
	Manganese	X	X	X	X	X	X	X	X	X	X	X	X	X
	Silica Tin	X	X	X	X	X	X	X	X	X	X	X	X	X
	Titanium	x	x	X X	x	x	x	x x	X X	x	x	x	x	X X
	Metal waste and scrap	×	X	X	X	X	X	x	x	X	×	X	X	X
	Industrial roundwood non- coniferous tropical	x	X	X	X	X	x	x	x	X	X	X	X	x
	Sawnwood non-coniferous tropical	х	Х	x	X	х	х	x	х	х	х	x	х	х
Mexico	Barytes	vn	vn	vn	vn	vn	vn	vn						
	Bentonite	vn	vn	vn	vn	vn	vn	vn						
	Bismuth	vn	vn	vn	Х	Х	Х	х	Х	Х	Х	Х	Х	Х
	Cadmium	vn	vn	vn	vn	vn	vn	vn						
	Copper	vn	vn	vn	vn	Х	Х	х	Х	Х	Х	Х	Х	Х
	Diatomite	vn	vn	vn	vn	vn	vn	vn						
	Feldspar	vn	vn	vn	vn	vn	vn	vn						
	Fluorspar	vn	vn	vn	vn	vn	vn	vn						
	Gold	vn	vn	vn	vn	vn	Х	Х	Х	Х	vn	vn	vn	vn
	Graphite	vn	vn	vn	vn	vn	vn	vn						
	Gypsum	vn	vn	vn	vn	vn	vn	vn						
	Iron and steel	vn	vn	vn	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Lead	vn	vn	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Manganese	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Mercury	vn	vn	vn	vn	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Molybdenum Perlite	vn	vn	vn	vn	vn	vn	vn						
	Poriito	vn	vn	vn	vn	vn	vn	vn						
									v		v			
	Phosphates	X	X	X	X	X	X	X	X	X	X	X	X	X
	Phosphates Silica	vn	vn	vn	vn	vn	vn	vn						
	Phosphates Silica Silver	vn x	vn x	vn x	vn x	vn x	vn x	vn x						
	Phosphates Silica	vn	vn	vn	vn	vn	vn	vn						

							In the	e invento	у					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Metal waste and scrap	vn	vn	vn	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Mongolia	Coking coal	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	Х
	Copper	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Fluorspar	Х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х
	Molybdenum	Х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	Х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х
Morocco	Arsenic	Х	х	Х	Х	Х	Х	х	Х	vn	vn	vn	vn	vn
	Barytes	Х	х	Х	Х	Х	Х	Х	Х	vn	vn	vn	vn	vn
	Bentonite	Х	х	Х	Х	Х	Х	х	Х	vn	vn	vn	vn	vn
	Cobalt	Х	х	Х	Х	Х	Х	х	Х	vn	vn	vn	vn	vn
	Fluorspar	Х	х	Х	Х	Х	Х	х	Х	vn	vn	vn	vn	vn
	Lead	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	Х
	Mercury	Х	х	Х	Х	х	Х	х	Х	vn	vn	vn	vn	vn
	Phosphates	Х	х	Х	Х	х	Х	х	Х	vn	vn	vn	vn	vn
	Silver	Х	х	Х	Х	х	Х	х	Х	vn	vn	vn	vn	vn
	Strontium	х	Х	х	Х	Х	Х	Х	х	vn	vn	vn	vn	vn
	Metal waste and scrap	х	Х	х	Х	х	х	х	х	х	х	х	Х	Х
Mozambique	Aluminium	vn	vn	х	Х	х	х	vn	vn	vn	vn	vn	vn	vn
	Beryllium	vn	vn	х	Х	х	х	vn	vn	vn	vn	vn	vn	vn
	Tantalum	vn	vn	Х	Х	Х	Х	Х	Х	Х	Х	vn	vn	vn
	Titanium	vn	vn	х	Х	х	х	х	х	х	х	vn	vn	vn
	Zirconium	vn	vn	vn	vn	vn	Х	х	Х	Х	Х	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Myanmar	Antimony	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	Х
	Manganese	х	х	х	х	х	х	х	Х	х	х	х	х	х
	Nickel	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
	Rare-earth elements	vn	vn	vn	Х	х	х	х	Х	х	х	х	х	Х
	Tin	Х	х	Х	х	х	Х	х	Х	х	Х	Х	х	х
	Metal waste and scrap	Х	х	х	Х	х	х	х	Х	х	х	х	х	Х
	Industrial roundwood non- coniferous tropical	Х	Х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х
	Sawnwood non-coniferous tropical	х	X	x	x	X	Х	X	X	x	x	Х	x	x
Namibia	Arsenic	х	Х	х	Х	х	Х	х	Х	х	х	х	х	Х
Hamisia	Diamonds	x	X	x	X	x	X	x	X	x	x	x	X	X
	Metal waste and scrap	vn	vn	vn	X	X	X	X	X	x	X	X	X	X
Netherlands	Cadmium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Nethenands	Silica	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
New Caledonia	Cobalt	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
New Caledonia	Nickel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Nigeria	Tantalum	X												
Nigena	Metal waste and scrap	× X	X	X	X	X	X	X	X	X	X	X	X	X
	Industrial roundwood non-	X	X	X	X	X	X	X	X	X	X	X	X	X
	coniferous tropical		X	X	X	X	X	X	X	X	X	X	X	X
	Sawnwood non-coniferous tropical	Х	Х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х
Norway	Aluminium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Cadmium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silica	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silicon	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Titanium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Oman	Aluminium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn

							In the	e inventor	y					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Chromium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gypsum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	Х
Peru	Barytes	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Borates	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Cadmium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Copper	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Diatomite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gold	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Indium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Lead	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Mercury	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Molybdenum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Phosphates	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Selenium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silver	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Tin	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Zinc	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Sawnwood non-coniferous tropical	Х	х	Х	Х	Х	Х	Х	X	Х	Х	Х	Х	Х
Philippines	Cobalt	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Gold	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Nickel	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood non- coniferous tropical	х	X	Х	Х	Х	Х	X	Х	Х	Х	Х	Х	X
	Sawnwood non-coniferous tropical	х	Х	Х	Х	Х	Х	Х	Х	х	Х	х	Х	Х
Poland (EU)	Cadmium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coke	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coking coal	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Copper	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Feldspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gypsum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Lead	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Limestone	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Rhenium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Selenium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silica	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silicon	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silver	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood non- coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Sawnwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Portugal (EU)	Feldspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Kaolin	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Lithium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Tungsten	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn

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Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Industrial roundwood non- coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Qatar	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	vn	vn
Romania (EU)	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood non- coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	х
	Sawnwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Sawnwood non-coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Russia	Aluminium	x	х	х	х	х	Х	Х	х	vn	vn	vn	vn	х
	Antimony	Х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	х
	Arsenic	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Barytes	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Bentonite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Borates	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Cadmium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Chromium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Cobalt	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coke	Х	х	Х	Х	Х	Х	Х	Х	vn	vn	vn	vn	vn
	Coking coal	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Copper	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Diamonds	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Diatomite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Feldspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Fluorspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Germanium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gold	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Graphite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gypsum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Kaolin	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Lead	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Limestone	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Magnesite	Х	х	Х	Х	Х	Х	х	Х	vn	vn	vn	vn	vn
	Magnesium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Mercury	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Molybdenum	Х	х	Х	Х	Х	Х	Х	Х	vn	vn	vn	vn	vn
	Nickel	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Phosphates	Х	х	Х	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Pig iron	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	PMG	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Potash	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Rare-earth elements	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Selenium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silicon	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silver	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Talc	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Tungsten	vn	vn	vn	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Vanadium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Zinc	Х	Х	х	х	х	Х	х	х	х	Х	Х	х	х
	Metal waste and scrap	Х	Х	Х	Х	Х	Х	Х	Х	х	Х	Х	Х	х
	Industrial roundwood coniferous	х	х	Х	Х	Х	Х	х	Х	Х	Х	х	Х	х

	In the inventory													
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Industrial roundwood non- coniferous non-tropical	Х	X	Х	Х	х	х	Х	х	Х	х	Х	х	X
	Sawnwood coniferous	Х	х	х	vn	vn	vn	vn	vn	vn	Х	х	Х	х
	Sawnwood non-coniferous non-tropical	Х	X	х	Х	Х	х	X	х	Х	Х	Х	Х	Х
Rwanda	Tantalum	vn	х	Х	Х	х	Х	х	х	Х	Х	Х	Х	х
	Tin	vn	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	Х
	Tungsten	vn	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
	Metal waste and scrap	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
Saudi Arabia	Iron and steel	Х	х	х	х	Х	х	Х	х	Х	Х	х	Х	Х
	Phosphates	vn												
	Metal waste and scrap	х	х	х	х	х	Х	х	Х	Х	Х	х	Х	Х
Senegal	Titanium	vn	vn	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
	Zirconium	vn	vn	Х	Х	х	Х	х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	vn	vn	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
Sierra Leone	Titanium	х	Х	х	х	х	х	х	х	х	Х	х	Х	Х
	Zirconium	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Metal waste and scrap	vn	Х	х	х	х	х	х	х	Х	х	х	х	х
Slovakia (EU)	Bentonite	vn												
	Magnesite	vn												
	Perlite	vn												
	Metal waste and scrap	vn												
South Africa	Aluminium	vn												
	Antimony	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	х
	Bentonite	vn												
	Chromium	Х	х	Х	Х	х	Х	х	х	Х	Х	Х	х	Х
	Cobalt	vn												
	Diamonds	Х	х	х	Х	х	Х	х	х	Х	Х	х	х	Х
	Feldspar	vn												
	Fluorspar	vn												
	Gold	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	Х
	Iron and steel	vn												
	Lead	Х	х	Х	Х	х	Х	х	Х	Х	Х	Х	Х	Х
	Manganese	vn	х	Х	Х	Х	Х	х	х	Х	Х	Х	х	Х
	Nickel	vn												
	Phosphates	vn												
	PMG	x	x	x	x	x	x	x	x	x	x	x	x	x
	Silica	vn												
	Silicon	vn												
	Titanium	vn												
	Vanadium	X	x	x	x	x	x	x	x	x	x	x	x	x
	Zirconium	vn												
	Metal waste and scrap	x	x	x	x	x	x	x	x	x	X	x	x	x
	Industrial roundwood non- coniferous non-tropical	X	X	X	X	X	x	X	x	X	x	X	x	X
Spain (EU)	Aluminium	vn												
······································	Bentonite	vn												
	Diatomite	vn												
	Feldspar	vn												
	Fluorspar	vn												
	Gypsum	vn												
	Iron and steel	vn												
	Kaolin	vn												
		vn	vn	vn	vn	vn				vn	vn			vn
	Limestone	VII		VII	VII	VII	vn	vn	vn	VII	VII	vn	vn	

							In the	e invento	y					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Potash	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silica	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silicon	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Strontium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Tungsten	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood non- coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Sweden (EU)	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Lead	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silver	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Tellurium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Zinc	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood non- coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Sawnwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Tajikistan	Aluminium	Х	Х	х	Х	х	х	х	Х	х	х	х	х	Х
	Antimony	х	х	х	Х	х	х	х	Х	х	х	х	х	х
	Mercury	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Thailand	Barytes	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Feldspar	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х
	Gypsum	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Rare-earth elements	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood non- coniferous tropical	х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х
	Sawnwood non-coniferous tropical	х	х	х	Х	х	х	х	Х	х	х	х	х	х
Tunisia	Phosphates	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х
	Metal waste and scrap	х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Türkiye	Antimony	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Barytes	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Bentonite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Borates	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Chromium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coke	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Copper	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Diatomite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Feldspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gold	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gypsum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	lean and starl					vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and steel	vn	vn	vn	vn									
	Kaolin	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Kaolin Lead	vn vn	vn vn	vn vn	vn vn	vn vn	vn vn	vn vn	vn vn	vn vn	vn vn	vn	vn	vn
	Kaolin Lead Limestone	vn vn vn	vn vn vn	vn vn vn	vn vn vn	vn vn vn	vn vn vn	vn vn vn	vn vn vn	vn vn vn	vn vn vn	vn vn	vn vn	vn vn
	Kaolin Lead Limestone Magnesite	vn vn vn vn	vn vn vn vn	vn vn vn vn	vn vn vn vn	vn vn vn vn	vn vn vn vn	vn vn vn vn	vn vn vn vn	vn vn vn vn	vn vn vn vn	vn vn vn	vn vn vn	vn vn vn
	Kaolin Lead Limestone Magnesite Molybdenum	vn vn vn vn vn	vn vn vn vn vn	vn vn vn vn vn	vn vn vn vn vn	vn vn vn vn vn	vn vn vn vn vn	vn vn vn vn vn	vn vn vn vn vn	vn vn vn vn vn	vn vn vn vn vn	vn vn vn vn	vn vn vn vn	vn vn vn vn
	Kaolin Lead Limestone Magnesite Molybdenum Perlite	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn	vn vn vn vn vn	vn vn vn vn vn vn
	Kaolin Lead Limestone Magnesite Molybdenum Perlite Pig iron	vn vn vn vn vn vn vn vn	vn vn vn vn vn vn vn vn vn	vn vn vn vn vn vn vn vn vn	vn vn vn vn vn vn vn vn vn	vn vn vn vn vn vn vn vn	vn vn vn vn vn vn vn vn vn	vn vn vn vn vn vn vn vn vn	vn vn vn vn vn vn vn vn vn	vn vn vn vn vn vn vn vn vn	vn vn vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn
	Kaolin Lead Limestone Magnesite Molybdenum Perlite	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn vn vn	vn vn vn vn vn	vn vn vn vn vn	vn vn vn vn vn vn

							In the	e invento	ry					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood non- coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Sawnwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Sawnwood non-coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Ukraine	Aluminium	х	х	Х	Х	Х	Х	vn	vn	vn	vn	vn	vn	vn
	Bentonite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coke	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coking coal	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gallium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Graphite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and steel	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Kaolin	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Limestone	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Manganese	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Pig iron	vn	Х	Х	Х	Х	Х	Х	vn	vn	vn	vn	vn	vn
	Silicon	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Titanium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Zirconium Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
United Arab Emirates	Aluminium	x vn	x vn	x vn	x vn	x vn	x vn	x vn	x vn	x vn	x vn	x vn	x vn	x vn
	Iron and steel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	x	X	x	x	X	x	x	x	x	X	x	x	x
United Kingdom	Coke	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
U	Gypsum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Indium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Kaolin	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Pig iron	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Potash	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silica	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Sawnwood coniferous	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
United States	Aluminium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Barytes	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Bentonite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Beryllium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Borates	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Cadmium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coke	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Coking coal	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Copper	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Diatomite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Feldspar	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Garnet	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gold	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gypsum	vn vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and atacl	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Iron and steel													
	Kaolin	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Kaolin Lead	vn vn	vn vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Kaolin	vn	vn											

							In the	inventor	y					
Country	Product researched	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	Magnesium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Molybdenum	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Nickel	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Perlite	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Phosphates	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Pig iron	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	PMG	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Potash	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Rare-earth elements	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Selenium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silica	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silicon	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Silver	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Talc	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Titanium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Zinc	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Zirconium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Industrial roundwood coniferous	х	х	х	х	х	х	х	х	х	х	х	х	х
	Industrial roundwood non- coniferous non-tropical	Х	Х	х	Х	Х	Х	Х	Х	х	х	Х	х	Х
	Sawnwood coniferous	Х	х	Х	Х	Х	х	х	Х	Х	Х	Х	Х	Х
	Sawnwood non-coniferous non-tropical	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
Uzbekistan	Cadmium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Copper	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Gold	Х	х	х	Х	х	х	х	Х	Х	х	Х	х	х
	Kaolin	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Rhenium	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn	vn
	Metal waste and scrap	Х	х	Х	Х	Х	х	х	Х	Х	Х	Х	Х	Х
Vietnam	Barytes	Х	х	Х	Х	Х	х	х	Х	Х	Х	Х	Х	Х
	Fluorspar	Х	х	Х	Х	Х	х	х	Х	Х	Х	Х	Х	Х
	Kaolin	Х	х	Х	х	х	х	х	Х	х	Х	х	х	Х
	Phosphates	Х	х	Х	Х	Х	х	х	Х	Х	Х	Х	Х	х
	Tin	Х	х	х	Х	х	х	х	Х	х	Х	Х	х	х
	Titanium	Х	х	Х	Х	Х	х	х	Х	Х	Х	Х	Х	х
	Tungsten	х	х	х	х	х	х	Х	х	х	х	х	х	х
	Zirconium	х	х	х	Х	х	х	Х	х	х	х	Х	х	х
	Metal waste and scrap	х	х	х	х	х	х	Х	х	х	х	х	х	х
	Industrial roundwood non- coniferous tropical	Х	Х	х	х	Х	х	Х	х	х	х	х	х	х
	Sawnwood non-coniferous tropical	Х	Х	х	х	Х	Х	X	Х	х	х	х	Х	х
Zambia	Cobalt	Х	Х	х	Х	Х	Х	Х	х	Х	х	Х	Х	х
	Copper	х	х	х	х	х	х	Х	х	х	х	х	х	х
	Metal waste and scrap	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х
Zimbabwe	Chromium	х	х	х	Х	Х	Х	Х	х	Х	х	Х	Х	х
	Diamonds	Х	Х	х	Х	Х	Х	Х	х	Х	х	Х	Х	х
	Gold	х	х	х	х	х	х	Х	х	х	х	Х	х	х
	Graphite	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
	Lithium	х	х	х	х	х	х	Х	х	х	х	Х	х	х
	PMG	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х
	Metal waste and scrap			х	х			х		х	х		х	х

Note:

* Broad descriptions such as all mineral ores or all mineral products include all following minerals: Aluminium, Antimony, Bismuth, Chromium, Cobalt, Copper, Precious metals ores and concentrates, Iron, Lead, Manganese, Molybdenum, Nickel, Niobium, Tantalum, Vanadium, Silver, Thorium, Tin, Titanium, Tungsten, Zinc, Zirconium. Precious metals include silver, gold, and platinum metal group. Platnum includes: platinum, iridium, osmium, palladium, rhodium and ruthenium.

** The statistical data for Israel are supplied by and under the responsibility of the relevant Israeli authorities. The use of such data by the OECD is without prejudice to the status of the Golan Heights, East Jerusalem and Israeli settlements in the West Bank under the terms of international law.

Annex 2. HS2007 code and product name used in the Inventory

	Note that an	HS code could cover more than one product.			
Product	HS2007	HS Description	Product	HS2007	HS Description
Aluminium	260600	Aluminium ores & concentrates	Aluminium	760519	Wire of Aluminium, not alloyed (excl. of 7605.11)
Aluminium	262040	Ash & residues (excl. from the manufacture of iron/steel) containing mainly Aluminium	Aluminium	760521	Wire of Aluminium alloys, of which the maximum cross-sectional dim. exceeds 7mm
Aluminium	281810	Artificial corundum, whether/not chemically defined	Aluminium	760529	Wire of Aluminium alloys (excl. of 7605.21)
Aluminium	281820	Aluminium oxide (excl. artificial corundum)	Aluminium	760611	Plates, sheets & strip, rectangular (incl. square), of a thickness >0.2mm, of Aluminium, not alloyed
Aluminium	281830	Aluminium hydroxide	Aluminium	760612	Plates, sheets & strip, rectangular (incl. square), of a thickness >0.2mm, of Aluminium alloys
Aluminium	282612	Flourides, of Aluminium	Aluminium	760691	Plates, sheets & strip other than rectangular (incl. square), of a thickness >0.2mm, of Aluminium, not alloyed
Aluminium	282732	Aluminium chlorides	Aluminium	760692	Plates, sheets & strip other than rectangular (incl. square), of a thickness >0.2mm, of Aluminium alloys
Aluminium	283322	Sulphates of Aluminium	Aluminium	760711	Aluminium foil, whether/not printed, not backed, of a thickness not >0.2mm, rolled but not further worked
Aluminium	283330	Alums	Aluminium	760719	Aluminium foil, whether/not printed, not backed, of a thickness not >0.2mm (excl. of 7607.11)
Aluminium	760110	Aluminium, not alloyed, unwrought	Aluminium	760720	Aluminium foil, whether/not printed, backed with paper/paperboard/plastics/similar backing materials, of a thickness (excl. any backing) not >0.2mm
Aluminium	760120	Aluminium alloys, unwrought	Antimony	261710	Antimony ores & concentrates
Aluminium	760200	Aluminium waste & scrap	Antimony	262091	Ash & residues (excl. from the manufacture of iron/steel) containing antimony/beryllium/cadmium/chromium/their mixtures
Aluminium	760310	Powders of non-lamellar structure, of Aluminium	Antimony	282580	Antimony oxides
Aluminium	760320	Powders of lamellar structure, of Aluminium; flakes of Aluminium	Antimony	811010	Unwrought antimony; powders
Aluminium	760410	Bars, rods & profiles, of Aluminium, not alloyed	Antimony	811020	Antimony waste & scrap
Aluminium	760421	Hollow profiles of Aluminium	Antimony	811090	Antimony & articles thereof, n.e.s. in 81.10
Aluminium	760429	Bars, rods & profiles (excl. hollow profiles) of Aluminium alloys	Arsenic	262060	Slag,ash & residues (excl. from the manufacture of iron/steel) containing arsenic/mercury/thallium/their mixtures, of a kind used for the extraction of arsenic/those metals /for the manufacture of their chemical compounds
Aluminium	760511	Wire of Aluminium, not alloyed, of which the maximum cross-sectional dim. exceeds 7mm	Arsenic	280480	Arsenic
Barytes	251110	Natural barium sulphate (barytes)	Chromium	281910	Chromium trioxide
Bentonite	250810	Bentonite	Chromium	281990	Chromium oxides (excl. chromium trioxide) & hydroxides

Product	HS2007	HS Description	Product	HS2007	HS Description
Beryllium	262091	Ash & residues (excl. from the manufacture of iron/steel) containing antimony/beryllium/cadmium/chromium/their mixtures	Chromium	811221	Chromium, unwrought; powders
Beryllium	280519	Alkali/alkaline-earth metals other than sodium & calcium	Chromium	811222	Chromium waste & scrap
Beryllium	811212	Beryllium, unwrought; powders	Chromium	811229	Chromium & articles thereof, n.e.s. in 81.12
Beryllium	811213	Beryllium waste & scrap	Cobalt	260500	Cobalt ores & concentrates
Beryllium	811219	Beryllium & articles thereof , n.e.s. in 81.12	Cobalt	282200	Cobalt oxides & hydroxides; commercial cobalt oxides
Borates	252810	Natural sodium borates & concentrates thereof (whether/not calcined)	Cobalt	810520	Cobalt mattes & other intermediate products of cobalt metallurgy; unwrought cobalt; powders
Borates	252890	Natural borates & concentrates thereof (excl. sodium borates), whether/not calcined but not incl. borates separated from natural brine; natural boric acid containing not >85% of H3BO3 calc. on the dry weight	Cobalt	810530	Cobalt waste & scrap
Bismuth	810600	Bismuth; articles thereof, including waste and scrap	Borates	280450	Boron; tellurium
Cobalt	810590	Cobalt & articles thereof, n.e.s. in 81.05	Borates	281000	Oxides of boron; boric acids
Coke	270400	Coke & semi-coke of coal/lignite/peat, whether/not agglomerated; retort carbon	Borates	284011	Disodium tetraborate (refined borax), anhydrous
Coking coal	270112	Bituminous coal, whether/not pulverised but not agglomerated	Borates	284019	Disodium tetraborate (refined borax), other than anhydrous
Copper	260300	Copper ores & concentrates	Borates	284020	Borates other than disodium tetrborate (refined borax)
Copper	262030	Ash & residues (excl. from the manufacture of iron/steel) containing mainly Copper	Borates	284030	Peroxoborates (perborates)
Copper	282550	Copper oxides & hydroxides	Cadmium	262091	Ash & residues (excl. from the manufacture of iron/steel) containing antimony/beryllium/cadmium/chromium/their mixtures
Copper	282741	Chloride oxides & chloride hydroxides, of Copper	Cadmium	810720	Unwrought cadmium; powders
Copper	283325	Sulphates of Copper	Cadmium	810730	Cadmium waste & scrap
Copper	740100	Copper mattes; cement Copper (precipitated Copper).	Cadmium	810790	Cadmium & articles thereof, n.e.s. in 81.07
Copper	740200	Unrefined Copper; Copper anodes for electrolytic refining	Chromium	261000	Chromium ores & concentrates
Copper	740311	Cathodes & sections of cathodes, of refined Copper, unwrought	Chromium	262091	Ash & residues (excl. from the manufacture of iron/steel) containing antimony/beryllium/cadmium/chromium/their mixtures
Copper	740312	Wire-bars of refined Copper, unwrought	Copper	740313	Billets of refined Copper, unwrought
Copper	740919	Copper plates, sheets & strip, of a thickness >0.15mm, of refined Copper, other than in coils	Copper	740319	Unwrought products of refined Copper (excl. of 7403.11-7403.13)
Copper	740921	Copper plates, sheets & strip, of a thickness >0.15mm, of Copper-zinc base alloys (brass), in coils	Copper	740321	Copper-zinc base alloys (brass), unwrought
Copper	740929	Copper plates, sheets & strip, of a thickness >0.15mm, of Copper-zinc base alloys (brass), other than in coils	Copper	740322	Copper-tin base alloys (bronze), unwrought
Copper	740931	Copper plates, sheets & strip, of a thickness >0.15mm, of Copper-tin base alloys (bronze), in coils	Copper	740329	Other Copper alloys (other than master alloys of heading 74.05), other than Copper-zinc alloys(brass),/Copper-tin base alloys(bronze).
Copper	740939	Copper plates, sheets & strip, of a thickness >0.15mm, of Copper-tin base alloys (bronze), other than in coils	Copper	740400	Copper waste & scrap

Product	HS2007	HS Description	Product	HS2007	HS Description
Copper	740940	Copper plates, sheets & strip, of a thickness >0.15mm, of Copper-nickel base alloys (cupro-nickel)/Copper-nickel-zinc base alloys (nickel silver)	Copper	740500	Master alloys of Copper
Copper	740990	Copper plates, sheets & strip, of a thickness >0.15mm, of other Copper alloys (excl. of 7409.11-7409.40)	Copper	740610	Powders of non-lamellar structure, of Copper
Copper	741011	Copper foil, whether/not printed, not backed with paper/paperboard/plactics/similar backing materials, of refined Copper, of a thickness not >0.15mm	Copper	740620	Powders of lamellar structure, of Copper; flakes, of Copper
Copper	741012	Copper foil, whether/not printed, not backed with paper/paperboard/plactics/similar backing materials, of Copper alloys, of a thickness not >0.15mm	Copper	740710	Bars, rods & profiles, of refined Copper
Copper	741021	Copper foil, whether/not printed, backed with paper/paperboard/plactics/similar backing materials, of refined Copper, of a thickness (excl. any backing) not >0.15mm	Copper	740721	Bars, rods & profiles, of Copper-zinc base alloys (brass)
Copper	741022	Copper foil, whether/not printed, backed with paper/paperboard/plactics/similar backing materials, of Copper alloys, of a thickness (excl. any backing) not >0.15mm	Copper	740729	Bars, rods & profiles, of Copper alloys (excl. of 7407.21)
Diamonds	710210	Diamonds, unsorted	Copper	740811	Copper wire, of refined Copper of which the maximum cross-sectional dim. exceeds 6mm
Diamonds	710221	Industrial Diamonds, unworked/simply sawn/cleaved/bruted	Copper	740819	Copper wire, of refined Copper (excl. of 7408.11)
Diamonds	710229	Industrial Diamonds, worked but not mounted/set	Copper	740821	Wire of Copper-zinc base alloys (brass)
Diamonds	710231	Diamonds, non-industrial, unworked/simply sawn/cleaved/bruted	Copper	740822	Wire of Copper-nickel base alloys (cupro-nickel)/Copper-nickel-zinc base alloys (nickel silver)
Diamonds	710239	Diamonds, non-industrial other than unworked/simply sawn/cleaved/bruted	Copper	740829	Wire of Copper alloys (excl. of 7408.21 & 7408.22)
Diamonds	710510	Dust & powder of natural/synthetic Diamonds	Copper	740911	Copper plates, sheets & strip, of a thickness >0.15mm, of refined Copper, in coils
Diatomite	251200	Siliceous fossil meals (e.g., kieselguhr, tripolite & diatomite) & similar siliceous earths, whether/not calcined, of an apparent sp.gr. of 1/less	Feldspar	252910	Feldspar
Gold	711230	Ash containing precious metal/precious metal comps.	Fluorspar	252921	Fluorspar, containing by weight 97%/less of calcium fluoride
Gold	711291	Waste & scrap of Gold, incl. metal clad with Gold but excl. sweepings containing other precious metals	Fluorspar	252922	Fluorspar, containing by weight >97% of calcium fluoride
Graphite	250410	Natural graphite, in powder/flakes	Fluorspar	252930	Leucite; nepheline & nepheline syenite
Graphite	250490	Natural graphite other than in powders/flakes	Gallium	811292	germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, incl. waste & scrap, powder, unwrought.
Gypsum	252010	Gypsum; anhydrite	Gallium	811299	germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, excl. waste & scrap, powder, unwrought
Gypsum	252020	Plasters (consisting of calcined gypsum/calcium sulphate) whether/not coloured, with/without small quantities of accelerators/retarders	Garnet	251320	Emery, natural corundum, natural garnet & other natural abrasives, whether/not heat-treated

Product	HS2007	HS Description	Product	HS2007	HS Description
Indium	811292	germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, incl. waste & scrap, powder, unwrought.	Germanium	282560	Germanium oxides & zirconium dioxide
Indium	811299	germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, excl. waste & scrap, powder, unwrought.	Germanium	811292	Germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, incl. waste & scrap, powder, unwrought.
Industrial roundwood coniferous	440310	Wood, in the rough, whether/not stripped of bark/sapwood/roughly squared, treated with paint/stains/creosote/other preservatives	Germanium	811299	Germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, excl. waste & scrap, powder, unwrought.
Industrial roundwood coniferous	440320	Wood, in the rough, whether/not stripped of bark/sapwood/roughly squared (excl. of 4403.10), coniferous	Gold	261690	Precious metal ores & concentrates (excl. silver ores & concentrates)
Industrial roundwood non- coniferous non-tropical	440391	Oak (Quercus spp.), in the rough, whether/not stripped of bark/sapwood/roughly squared	Gold	284310	Colloidal precious metals
Industrial roundwood non- coniferous non-tropical	440392	Beech (Fagus spp.), in the rough, whether/not stripped of bark/sapwood/roughly squared	Gold	284330	Gold comps.
Industrial roundwood non- coniferous non-tropical	440399	Wood, in the rough (excl. of 4403.10-4403.92), whether/not stripped of bark/sapwood/roughly squared	Gold	710811	Gold (incl. Gold plated with platinum), non-monetary, in powder form
Industrial roundwood non- coniferous tropical	440341	Dark Red Meranti, Light Red Meranti & Meranti Bakau, in the rough, whether/not stripped of bark/sapwood/roughly squared	Gold	710812	Gold (incl. Gold plated with platinum), in unwrought forms (excl. powder)
Industrial roundwood non- coniferous tropical	440349	Tropical wood spec. in SH Note 1 to Ch.44 (excl. of 4403.41), in the rough, whether/not stripped of bark/sapwood/roughly squared	Gold	710813	Gold (incl. Gold plated with platinum), non-monetary, in semi-manufactured forms
Iron and steel	250200	Unroasted iron pyrites	Gold	710900	Base metals/silver, clad with Gold, not further worked than semi-manufactur
Iron and steel	260111	Iron ores & concentrates (excl. roasted iron pyrites), non-agglomerated	Iron and steel	260112	Iron ores & concentrates (excl. roasted iron pyrites), agglomerated
Iron and steel	720299	Ferro-alloys (excl. of 7202.11-7202.93), in granular/powder form	Iron and steel	260120	Roasted iron pyrites
Iron and steel	720310	Ferrous products obt. by direct reduction of iron ore, in lumps/pellets/similar forms	Iron and steel	261800	Granulated slag (slag sand) from the manufacture of iron/steel
Iron and steel	720390	Spongy ferrous products (excl. of 7203.10), in lumps/pellets/similar forms; iron having a minimum purity by weight of 99.94%, in lumps/pellets/similar forms	Iron and steel	261900	Slag, dross (excl. granulated slag), scalings & other waste from the manufacture of iron/steel
Iron and steel	720410	Waste & scrap of cast iron	Iron and steel	282110	Iron oxides & hydroxides
Iron and steel	720421	Waste & scrap of stainless steel	Iron and steel	720211	Ferro-manganese, containing by weight >2% of carbon, in granular/powder form
Iron and steel	720429	Waste & scrap of alloy steel other than stainless steel	Iron and steel	720219	Ferro-manganese, other than that containing by weight >2% of carbon, in granular/powder form
Iron and steel	720430	Waste & scrap of tinned iron/steel	Iron and steel	720221	Ferro-silicon, containing by weight >55% of silicon, in granular/powder form
Iron and steel	720441	Ferrous turnings, shavings, chips, milling waste, sawdust, filings, trimmings & stampings, whether/not in bundles	Iron and steel	720229	Ferro-silicon, other than that containing >55% of silicon, in granular/powder form
Iron and steel	720449	Ferrous waste & scrap (excl. of 7204.10-7204.41)	Iron and steel	720230	Ferro-silico-manganese, in granular/powder form
Iron and steel	720450	Remelting ferrous scrap ingots	Iron and steel	720241	Ferro-chromium, containing by weight >4% of carbon, in granular/powder for

Product	HS2007	HS Description	Product	HS2007	HS Description
Iron and steel	720521	Powders, of alloy steel	Iron and steel	720249	Ferro-chromium, other than that containing by weight >4% of carbon, in granular/powder form
Iron and steel	720529	Powders, of Pig iron, spiegeleisen, iron/steel (excl. alloy steel)	Iron and steel	720250	Ferro-silico-chromium, in granular/powder form
Iron and steel	720610	Iron & non-alloy steel in ingots (excl. iron of 72.03)	Iron and steel	720260	Ferro-nickel, in granular/powder form
Iron and steel	720690	Iron & non-alloy steel in primary forms other than ingots (excl. iron of 72.03)	Iron and steel	720270	Ferro-molybdenum, in granular/powder form
Iron and steel	720711	Semi-finished products of iron/non-alloy steel, containing by weight <0.25% of carbon, of rectangular (incl. square) cross-section, the width measuring < twice the thickness	Iron and steel	720280	Ferro-tungsten & ferro-silico-tungsten, in granular/powder form
Iron and steel	720712	Semi-finished products of iron/non-alloy steel, containing by weight <0.25% of carbon, of rectangular (other than square) cross-section	Iron and steel	720291	Ferro-titanium & ferro-silico-titanium, in granular/powder form
Iron and steel	720719	Semi-finished products of iron/non-alloy steel, containing by weight <0.25% of carbon, n.e.s. in 72.07	Iron and steel	720292	Ferro-vanadium, in granular/powder form
Iron and steel	720720	Semi-finished products of iron/non-alloy steel, containing by weight 0.25%/more of carbon	Iron and steel	720293	Ferro-niobium, in granular/powder form
Iron and steel	720810	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot- rolled, not clad/plated/coated, in coils, not further worked than hot-rolled, with patterns in relief	Iron and steel	720825	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot- rolled, not clad/plated/coated, in coils, not further worked than hot-rolled, pickled, of a thickness of 4.75mm/more
Iron and steel	720853	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot- rolled, not clad/plated/coated, not in coils, not further worked than hot- rolled, of a thickness of 3mm/more but <4.75mm	Iron and steel	720826	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot- rolled, not clad/plated/coated, in coils, not further worked than hot-rolled, pickled, of a thickness of 3mm/more but <4.75mm
Iron and steel	720854	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot- rolled, not clad/plated/coated, not in coils, not further worked than hot- rolled, of a thickness of <3mm	Iron and steel	720827	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot- rolled, not clad/plated/coated, in coils, not further worked than hot-rolled, pickled, of a thickness of <3mm
Iron and steel	720890	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot-rolled, not clad/plated/coated, n.e.s. in 72.08	Iron and steel	720836	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot- rolled, not clad/plated/coated, in coils, not further worked than hot-rolled (excl. pickled), of a thickness >10mm
Iron and steel	720915	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, in coils, not further worked than cold-rolled (cold-reduced), not clad/plated/coated, of a thickness of 3mm/more	Iron and steel	720837	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot- rolled, not clad/plated/coated, in coils, not further worked than hot- rolled(excl.pickled),of a thicknessof 4.75mm/more but not >10mm
Iron and steel	720916	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, in coils, not further worked than cold-rolled (cold-reduced), not clad/plated/coated, of a thickness >1mm but <3mm	Iron and steel	720838	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot- rolled, not clad/plated/coated, in coils, not further worked than hot-rolled (excl.pickled),of a thicknessof 3mm/more but <4.75mm
Iron and steel	720917	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, in coils, not further worked than cold-rolled (cold-reduced), not clad/plated/coated, of a thickness of 0.5mm/more but not >1mm	Iron and steel	720839	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot- rolled, not clad/plated/coated, in coils, not further worked than hot-rolled (excl. pickled), of a thickness of <3mm
Iron and steel	720918	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, in coils, not further worked than cold-rolled (cold-reduced), not clad/plated/coated, of a thickness of <0.5mm	Iron and steel	720840	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot- rolled, not clad/plated/coated, not in coils, not further worked than hot-rolled, with patterns in relief

Product	HS2007	HS Description	Product	HS2007	HS Description
Iron and steel	720925	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, not in coils, not further worked than cold-rolled (cold-reduced), not clad/plated/coated, of a thickness of 3mm/more	Iron and steel	720851	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot- rolled, not clad/plated/coated, not in coils, not further worked than hot-rolled, of a thickness >10mm
Iron and steel	720926	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, not in coils, not further worked than cold-rolled (cold-reduced), not clad/plated/coated, of a thickness >1mm but <3mm	Iron and steel	720852	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, hot- rolled, not clad/plated/coated, not in coils, not further worked than hot-rolled, of a thickness of 4.75mm/more but not >10mm
Iron and steel	720927	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, not in coils, not further worked than cold-rolled (cold-reduced), not clad/plated/coated, of a thicknessof 0.5mm/more but not >1mm	Iron and steel	720928	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, not in coils, not further worked than cold-rolled (cold-reduced), not clad/plated/coated, of a thickness of <0.5mm
Iron and steel	721090	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, clad/plated/coated, n.e.s. in 72.10	Iron and steel	720990	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, cold- rolled (cold-reduced), not clad/plated/coated, n.e.s. in 72.09
Iron and steel	721113	Other Flat-rolled products of iron/non-alloy steel, of a width of <600mm, not clad/plated/coated, not further worked than hot-rolled/not rolled on 4 faces/in a closed box pass/not in coils & without patterns in relief (exclud. 7211.13 & .14)	Iron and steel	721011	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, of a thickness of 0.5mm/more
Iron and steel	721114	Flat-rolled products of iron/non-alloy steel, of a width of <600mm, not clad/plated/coated, not further worked than hot-rolled (excl. of 7211.13), of a thickness of 4.75mm/more	Iron and steel	721012	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, of a thickness of <0.5mm
Iron and steel	721119	Flat-rolled products of iron/non-alloy steel, of a width of <600mm, not clad/plated/coated, not further worked than hot-rolled, n.e.s. in 72.11	Iron and steel	721020	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, plated/coated with Lead, incl. terne-plate
Iron and steel	721123	Flat-rolled products of iron/non-alloy steel, of a width of <600mm, not clad/plated/coated, not further worked than cold-rolled (cold-reduced), containing by weight <0.25% of carbon	Iron and steel	721030	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, electrolytically plated/coated with zinc
Iron and steel	721129	Flat-rolled products of iron/non-alloy steel, of a width of <600mm, not clad/plated/coated, not further worked than cold-rolled (cold-reduced) (excl. of 7211.23)	Iron and steel	721041	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, othw. plated/coated with zinc (excl. electrolytically), corrugated
Iron and steel	721190	Flat-rolled products of iron/non-alloy steel, of a width of <600mm, not clad/plated/coated, n.e.s. in 72.11	Iron and steel	721049	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, othw. plated/coated with zinc (excl. electrolytically), other than corrugated
Iron and steel	721210	Flat-rolled products of iron/non-alloy steel, of a width of <600mm, plated/coated with tin	Iron and steel	721050	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, plated/coated with chromium oxides/with chromium & chromium oxides
Iron and steel	721220	Flat-rolled products of iron/non-alloy steel, of a width of <600mm, electrolytically plated/coated with zinc	Iron and steel	721061	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, plated/coated with Aluminium-zinc alloys
Iron and steel	721230	Flat-rolled products of iron/non-alloy steel, of a width of <600mm, othw. plated/coated with zinc (excl. electrolytically)	Iron and steel	721069	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, plated/coated with Aluminium other than with Aluminium-zinc alloys
Iron and steel	721240	Flat-rolled products of iron/non-alloy steel, of a width of <600mm, painted/varnished/coated with plastics	Iron and steel	721070	Flat-rolled products of iron/non-alloy steel, of a width of 600mm/more, painted/varnished/coated with plastics
Iron and steel	721250	Flat-rolled products of iron/non-alloy steel, of a width of <600mm, othw. plated/\coated (excl. of 7212.10-7212.40)	Iron and steel	721260	Flat-rolled products of iron/non-alloy steel, of a width of <600mm, clad

Product	HS2007	HS Description	Product	HS2007	HS Description
Iron and steel	721590	Bars & rods of iron/non-alloy steel, n.e.s.	Iron and steel	721310	Bars & rods, hot-rolled, in irregularly wound coils, of iron/non-alloy steel, containing indentations/ribs/grooves/other deformations produced during the rolling process
Iron and steel	721610	Angles, shapes & sections of iron/non-alloy steel, U / I / H sections of iron/non-alloy steel, not further worked than hot-rolled/hot-drawn/extruded, of a height of <80mm	Iron and steel	721320	Bars & rods, hot-rolled, in irregularly wound coils, of iron/non-alloy steel (excl. of 7213.10), of free-cutting steel
Iron and steel	721621	Angles, shapes & sections of iron/non-alloy steel, L sections, not further worked than hot-rolled/hot-drawn/extruded, of a height of <80mm	Iron and steel	721391	Bars & rods, hot-rolled, in irregularly wound coils, of iron/non-alloy steel (excl. of 7213.10 & 7210.20), of circular cross-section measuring <14mm in diameter
Iron and steel	721622	Angles, shapes & sections of iron/non-alloy steel, T sections, not further worked than hot-rolled/hot-drawn/extruded, of a height of <80mm	Iron and steel	721399	Bars & rods, hot-rolled, in irregularly wound coils, of iron/non-alloy steel, n.e.s. in 72.13
Iron and steel	721631	Angles, shapes & sections of iron/non-alloy steel, U sections, not further worked than hot-rolled/hot-drawn/extruded, of a height of 80mm/more	Iron and steel	721410	Bars & rods of iron/non-alloy steel (excl. of 72.13), not further worked than forged
Iron and steel	721632	Angles, shapes & sections of iron/non-alloy steel, I sections, not further worked than hot-rolled/hot-drawn/extruded, of a height of 80mm/more	Iron and steel	721420	Bars & rods of iron/non-alloy steel (excl. of 72,13), containing indentations/ribs/grooves/other deformations produced during the rolling process/twisted after rolling
Iron and steel	721633	Angles, shapes & sections of iron/non-alloy steel, H sections, not further worked than hot-rolled/hot-drawn/extruded, of a height of 80mm/more	Iron and steel	721430	Bars & rods of iron/non-alloy steel (excl. of 72.13), of free-cutting steel, not further worked than forged/hot-rolled/hot-drawn/hot-extruded but incl.those twisted after rolling
Iron and steel	721640	Angles, shapes & sections of iron/non-alloy steel, L / T sections, not further worked than hott-rolled/hot-drawn/extruded, of a height of 80mm/more	Iron and steel	721491	Bars & rods of iron/non-alloy steel (excl. of 72.13), not further worked than forged/hot-rolled/hot-drawn/hot-extruded but incl. those twisted after rolling, of rectangular (excl. square) cross-section
Iron and steel	721650	Angles, shapes & sections of iron/non-alloy steel (excl. of 7216.10-7216.40), not further worked than hot-rolled/hot-drawn/extruded	Iron and steel	721499	Bars & rods of iron/non-alloy steel (excl. of 72.13), not further worked than forged/hot-rolled/hot-drawn/hot-extruded but incl. those twisted after rolling (excl. of 7214.10-7214.91)
Iron and steel	721661	Angles, shapes & sections of iron/non-alloy steel, not further worked than cold-formed/cold-finished, obt. from flat-rolled products	Iron and steel	721510	Bars & rods of iron/non-alloy steel, of free-cutting steel, not further worked than cold-formed/cold-finished
Iron and steel	721669	Angles, shapes & sections of iron/non-alloy steel, not further worked than cold-formed/cold-finished (excl. of 7216.61)	Iron and steel	721550	Bars & rods of iron/non-alloy steel other than free-cutting steel, not further worked than cold-formed/cold-finished
Iron and steel	721691	Angles, shapes & sections of iron/non-alloy steel (excl. of 7216.10- 7216.69), cold-formed/cold-finished from flat-rolled products	Iron and steel	721699	Angles, shapes & sections of iron/non-alloy steel, n.e.s. in 72.16
Iron and steel	721923	Flat-rolled products of stainless steel, of a width of 600mm/more, not further worked than hot-rolled, not in coils, of a thickness of 3mm/more but <4.75mm	Iron and steel	721710	Wire of iron/non-alloy steel, not plated/coated, whether/not polished
Iron and steel	721924	Flat-rolled products of stainless steel, of a width of 600mm/more, not further worked than hot-rolled, not in coils, of a thickness of <3mm	Iron and steel	721720	Wire of iron/non-alloy steel, plated/coated with zinc
Iron and steel	721931	Flat-rolled products of stainless steel, of a width of 600mm/more, not further worked than cold-rolled (cold-reduced), of a thickness of 4.75mm/more	Iron and steel	721730	Wire of iron/non-alloy steel, plated/coated with other base metals

Product	HS2007	HS Description	Product	HS2007	HS Description
Iron and steel	721932	Flat-rolled products of stainless steel, of a width of 600mm/more, not further worked than cold-rolled (cold-reduced), of a thickness of 3mm/more but <4.75mm	Iron and steel	721790	Wire of iron/non-alloy steel, n.e.s. in 72.17
Iron and steel	721933	Flat-rolled products of stainless steel, of a width of 600mm/more, not further worked than cold-rolled (cold-reduced), of a thickness >1mm but <3mm	Iron and steel	721810	Stainless steel in ingots & other primary forms
Iron and steel	721934	Flat-rolled products of stainless steel, of a width of 600mm/more, not further worked than cold-rolled (cold-reduced), of a thickness of 0.5mm/more but not >1mm	Iron and steel	721891	Stainless steel, of rectangular (excl. square) cross-section
Iron and steel	721935	Flat-rolled products of stainless steel, of a width of 600mm/more, not further worked than cold-rolled (cold-reduced), of a thickness of < 0.5mm	Iron and steel	721899	Semi-finished products of stainless steel (excl. of 7218.91)
Iron and steel	721990	Flat-rolled products of stainless steel, of a width of 600mm/more, n.e.s. in 72.19	Iron and steel	721911	Flat-rolled products of stainless steel, of a width of 600mm/more, not further worked than hot-rolled, in coils, of a thickness >10mm
Iron and steel	722011	Flat-rolled products of stainless steel, of a width of <600mm, not further worked than hot-rolled, of a thickness of 4.75mm/more	Iron and steel	721912	Flat-rolled products of stainless steel, of a width of 600mm/more, not further worked than hot-rolled, in coils, of a thickness of 4.75mm/more but not >10mm
Iron and steel	722012	Flat-rolled products of stainless steel, of a width of <600mm, not further worked than hot-rolled, of a thickness of <4.75mm	Iron and steel	721913	Flat-rolled products of stainless steel, of a width of 600mm/more, not further worked than hot-rolled, in coils, of a thickness of 3mm/more but < 4.75mm
Iron and steel	722020	Flat-rolled products of stainless steel, of a width of <600mm, not further worked than cold-rolled (cold-reduced)	Iron and steel	721914	Flat-rolled products of stainless steel, of a width of 600mm/more, not further worked than hot-rolled, in coils, of a thickness of <3mm
Iron and steel	722090	Flat-rolled products of stainless steel, of a width of <600mm, n.e.s. in 72.20	Iron and steel	721921	Flat-rolled products of stainless steel, of a width of 600mm/more, not further worked than hot-rolled, not in coils, of a thickness >10mm
Iron and steel	722100	Bars & rods, hot-rolled, in irregularly wound coils, of stainless steel	Iron and steel	721922	Flat-rolled products of stainless steel, of a width of 600mm/more, not further worked than hot-rolled, not in coils, of a thickness of 4.75mm/more but not >10mm
Iron and steel	722211	Bars & rods of stainless steel, not further worked than hot-rolled/hot- drawn/extruded, of circular cross-section	Iron and steel	722219	Bars & rods of stainless steel, not further worked than hot-rolled/hot- drawn/extruded other than of circular cross-section
Iron and steel	722611	Flat-rolled products of silicon-electrical steel, grain-oriented (excl. stainless steel), of a width of <600mm	Iron and steel	722220	Bars & rods of stainless steel, not further worked than cold-formed/cold- finished
Iron and steel	722619	Flat-rolled products of silicon-electrical steel, other than grain-oriented (excl. stainless steel), of a width of <600mm	Iron and steel	722230	Bars & rods of stainless steel, n.e.s. in 72.22
Iron and steel	722620	Flat-rolled products of high speed steel (excl. stainless steel), of a width of <600mm	Iron and steel	722240	Angles, shapes & sections of stainless steel
Iron and steel	722691	Flat-rolled products of other alloy steel (excl. stainless/silicon- electrical/high speed steel), of a width of <600mm, not further worked than hot-rolled	Iron and steel	722300	Wire of stainless steel
Iron and steel	722692	Flat-rolled products of other alloy steel (excl. stainless/silicon- electrical/high speed steel), of a width of <600mm, not further worked than cold-rolled (cold-reduced)	Iron and steel	722410	Ingots & other primary forms of other alloy steel (excl. stainless steel)

Product	HS2007	HS Description	Product	HS2007	HS Description
Iron and steel	722699	Other n.e.s. in 72.26 flat-rolled products of other alloy steel (excld. Stainless/silicon-electrical/high speed steel), of a width of less than 600 mm.	Iron and steel	722490	Semi-finished products (excl. ingots & other primary forms) of alloy steel other than stainless steel, n.e.s.
Iron and steel	722710	Bars & rods, hot-rolled, in irregularly wound coils, of high speed steel	Iron and steel	722511	Flat-rolled products of silicon-electrical steel, grain-oriented (excl. stainless steel), of a width of 600mm/more
Iron and steel	722720	Bars & rods, hot-rolled, in irregularly wound coils, of silico-manganese steel	Iron and steel	722519	Flat-rolled products of silicon-electrical steel, other than grain-oriented (excl. stainless steel), of a width of 600mm/more
Iron and steel	722790	Bars & rods, hot-rolled, in irregularly wound coils (excl. of 72.13 & 7221.00), n.e.s. in 72.27	Iron and steel	722530	Other flat-rolled products of other alloy steel, of a width of 600 mm/more, not further worked than hot-rolled, in coils.
Iron and steel	722810	Bars & rods of high speed steel	Iron and steel	722540	Other flat-rolled products of other alloy steel, of a width of 600 mm/more, not further worked than hot-rolled, not in coils.
Iron and steel	722820	Bars & rods of silico-manganese steel	Iron and steel	722550	Other flat-rolled products of other alloy steel, of a width of 600 mm/more, not further worked than cold-rolled (cold-reduced),
Iron and steel	722830	Bars & rods of other alloy steel (excl. of 72.27, 7228.10 & 7228.20), not further worked than hot-rolled/hot-drawn/extruded	Iron and steel	722591	Other n.e.s. in 72.25, flat-rolled products of other alloy steel, of a width of 600 mm/more, of electrolytically plated/coated with zinc.
Iron and steel	722840	Bars & rods of other alloy steel (excl. of 72.27, 7228.10 & 7228.20), not further worked than forged	Iron and steel	722592	Other n.e.s. in 72.25, flat-rolled products of other alloy steel, of a width of 600 mm/more, of othw. plated/coated with zinc.
Iron and steel	722850	Bars & rods of other alloy steel (excl. of 72.27), not further worked than cold-formed/cold-finished	Iron and steel	722599	Other n.e.s. in 72.25, flat-rolled products of other alloy steel, of a width of 600 mm/more, other than of electrolutically/othw. plated/coated with zinc/.
Iron and steel	722860	Bars & rods of other alloy steel (excl. of 72.27), n.e.s. in 72.28	Iron and steel	722870	Angles, shapes & sections of alloy steel other than stainless steel
Lithium	282520	Lithium oxide & hydroxide	Iron and steel	722880	Hollow drill bars & rods of alloy/non-alloy steel
Lithium	283691	Lithium carbonates	Iron and steel	722920	Wire of silico-manganese steel
Magnesite	251910	Natural magnesium carbonate (magnesite)	Iron and steel	722990	Other wire of other alloy steel, other than of silico-manganese steel.
Magnesite	251990	Fused magnesia; dead-burned (sintered) magnesia, whether/not containing small quantities of other oxides added before sintering; other magnesium oxide, whether/not pure	Kaolin	250700	Kaolin & other kaolinic clays, whether/not calcined
Magnesium	280519	Alkali/alkaline-earth metals other than sodium & calcium	Lead	260700	Lead ores & concentrates
Magnesium	281610	Hydroxide & peroxide of magnesium	Lead	262021	Leaded gasoline sludges & Leaded anti-knock compound sludges
Magnesium	282731	Magnesium chlorides	Lead	262029	Ash & residues (excl. from the manufacture of iron/steel) containing Lead (excl. of 2620.21)
Magnesium	283321	Sulphates of magnesium	Lead	282410	Lead monoxide (litharge, massicot)
Magnesium	810411	Unwrought magnesium, containing at least 99.8% by weight of magnesium	Lead	282490	Lead oxides (excl. of 2824.10);red Lead&orange Lead
Magnesium	810419	Unwrought magnesium (excl. of 8104.11)	Lead	780110	Unwrought Lead, refined
Magnesium	810420	Magnesium waste & scrap	Lead	780191	Unwrought Lead other than refined, containing by weight antimony as the principal other element
Magnesium	810430	Magnesium raspings, turnings & granules, graded according to size; magnesium powders	Lead	780199	Unwrought Lead other than refined, n.e.s. in 78.01

Product	HS2007	HS Description	Product	HS2007	HS Description
Magnesium	810490	Magnesium & articles thereof, n.e.s. in 81.04	Lead	780200	Lead waste & scrap
Manganese	260200	Manganese ores & concentrates, incl. ferruginous manganese ores & concentrates with a manganese content of 20%/more, calc. on the dry weight	Lead	780411	Lead sheets, strip & foil of a thickness (excl. any backing) not >0.2mm
Manganese	282010	Manganese dioxide	Lead	780419	Lead plates, sheets, strip & foil (excl. of 7804.11)
Manganese	282090	Manganese oxides other than manganese dioxide	Lead	780420	Lead powders & flakes
Manganese	284161	Potassium permanganate	Lead	780600	Other articles of Lead.
Manganese	284169	Manganites, manganates & permanganates (excl. of potassium)	Limestone	252100	Limestone flux; limestone & other calcareous stone, of a kind used for the manufacture of lime/cement
Manganese	811100	Manganese & articles thereof, incl. waste & scrap	Limestone	252210	Quicklime
Mercury	262060	Slag,ash & residues (excl. from the manufacture of iron/steel) containing arsenic/mercury/thallium/their mixtures, of a kind used for the extraction of arsenic/those metals /for the manufacture of their chemical compounds	Limestone	252220	Slaked lime
Mercury	280540	Mercury	Limestone	252230	Hydraulic lime, other than calcium oxide & hydroxide of 28.25
Mercury	285200	Compounds, inorganic/organic, of mercury, excluding amalgams.	Molybdenum	261310	Molybdenum ores & concentrates, roasted
Nickel	750620	Plates, sheets, strip & foil, of nickel alloys	Molybdenum	261390	Molybdenum ores & concentrates, other than roasted
Niobium	261590	Niobium/tantalum/vanadium ores & concentrates	Molybdenum	282570	Molybdenum oxides & hydroxides
Niobium	811292	germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, incl. waste & scrap, powder, unwrought.	Molybdenum	284170	Molybdates
Niobium	811299	germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, excl. waste & scrap, powder, unwrought.	Molybdenum	810210	Molybdenum powders
Perlite	253010	Vermiculite, perlite & chlorites, unexpanded	Molybdenum	810294	Unwrought molybdenum, incl. bars & rods obt. simply by sintering
Phosphates	251010	Natural calcium phosphates, natural Aluminium calcium phosphates & phosphatic chalk, unground	Molybdenum	810295	Molybdenum bars & rods (excl. those obt. simply by sintering), profiles, plate sheets, strip & foil
Phosphates	251020	Natural calcium phosphates, natural Aluminium calcium phosphates & phosphatic chalk, ground	Molybdenum	810296	Molybdenum wire
Phosphates	280470	Phosphorus	Molybdenum	810297	Molybdenum waste & scrap
Phosphates	280920	Phosphoric acid & polyphosphoric acids, whether/not chemically defined	Molybdenum	810299	Molybdenum & articles thereof, n.e.s. in 81.02
Phosphates	283522	Phosphates of mono- /disodium	Nickel	260400	Nickel ores & concentrates
Phosphates	283524	Phosphates of potassium	Nickel	282540	Nickel oxides & hydroxides
Phosphates	283525	Calcium hydrogenorthophosphate (dicalcium phosphate)	Nickel	282735	Nickel chlorides
Phosphates	283526	Phosphates of calcium other than hydrogenorthophosphate (dicalcium phosphate)	Nickel	283324	Sulphates of nickel
Phosphates	283529	Phosphates (excl. of 2835.22-2835.26)	Nickel	750110	Nickel mattes
Phosphates	283531	Sodium triphosphate (sodium tripolyphosphate)	Nickel	750120	Nickel oxide sinters & other intermediate products of nickel metallurgy
Phosphates	283539	Polyphosphates (excl. of 2835.31)	Nickel	750210	Nickel, not alloyed, unwrought

Product	HS2007	HS Description	Product	HS2007	HS Description
Pig iron	720110	Non-alloy Pig iron containing by weight 0.5%/less of phosphorus, in pigs/blocks/other primary forms	Nickel	750220	Nickel alloys, unwrought
Pig iron	720120	Non-alloy Pig iron containing by weight >0.5% of phosphorus, in pigs/blocks/other primary forms	Nickel	750300	Nickel waste & scrap
Pig iron	720150	Alloy Pig iron; spiegeleisen, in pigs/blocks/other primary forms	Nickel	750400	Nickel powders & flakes
Pig iron	720510	Granules of Pig iron, spiegeleisen, iron/steel	Nickel	750511	Bars, rods, profiles & wire, of nickel, not alloyed
Potash	310420	Potassium chloride	Nickel	750512	Bars, rods, profiles & wire, of nickel alloys
Potash	310430	Potassium sulphate	Nickel	750521	Wire of nickel, not alloyed
Potash	310490	Mineral/chemical fertilisers, potassic(excl. of 3104.20 & 3104.30)	Nickel	750522	Wire of nickel alloys
Rare-earth elements	280530	Rare-earth metals, scandium & yttrium, whether/not intermixed/interalloyed	Nickel	750610	Plates, sheets, strip & foil, of nickel, not alloyed
Rare-earth elements	284610	Cerium comps.	Rare-earth elements	284690	Compounds, inorganic/organic, of rare-earth metals/yttrium/scandium/mixtures of these metals, other than cerium comps.
Sawnwood non- coniferous tropical	440726	Wood sawn/chipped length wise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm, of White Lauan, White Meranti, White Seraya, Yellow Meranti & Alan	Rhenium	811292	germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, incl. waste & scrap, powder, unwrought.
Sawnwood non- coniferous tropical	440727	Wood sawn/chipped lengthwise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm, of Sapelli	Rhenium	811299	germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, excl. waste & scrap, powder, unwrought.
Sawnwood non- coniferous tropical	440728	Wood sawn/chipped lengthwise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm, of Iroko	Sawnwood coniferous	440710	Wood sawn/chipped length wise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm, coniferous
Sawnwood non- coniferous tropical	440729	Wood sawn/chipped lengthwise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm, of tropical wood specified in Subheading Note 1 to this Ch. (excl. of 4407.21-4407.28)	Sawnwood non-coniferous non-tropical	440791	Oak (Quercus spp.), sawn/chipped length wise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm
Selenium	280490	Selenium	Sawnwood non-coniferous non-tropical	440792	Beech (Fagus spp.), sawn/chipped length wise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm
Silica	250510	Silica sands & quartz sands, whether/not coloured	Sawnwood non-coniferous non-tropical	440793	Maple (Acer spp.), sawn/chipped lengthwise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm
Silicon	280461	Silicon, containing by weight not <99.99% of silicon	Sawnwood non-coniferous non-tropical	440794	Cherry (Prunus spp.), sawn/chipped lengthwise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm
Silicon	280469	Silicon, containing by weight <99.99% of silicon	Sawnwood non-coniferous non-tropical	440795	Ash(Fraxinus spp.), sawn/chipped lengthwise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm
Silicon	281122	Silicon dioxide	Sawnwood non-coniferous non-tropical	440799	Wood(excl. of 4407.10-4407.95), sawn/chipped lengthwise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm
Silicon	283911	Sodium metasilicates	Sawnwood non-coniferous tropical	440721	Wood sawn/chipped lengthwise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm, of Mahogany (Swietenia spp.)
Silicon	283919	Silicates of sodium other than sodiummetasilicates	Sawnwood non-coniferous tropical	440722	Wood sawn/chipped lengthwise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm, of Virola, Imbuia&Balsa

Product	HS2007	HS Description	Product	HS2007	HS Description
Silicon	283990	Silicates other than of sodium; commercial alkali metal silicates	Sawnwood non-coniferous tropical	440725	Wood sawn/chipped length wise, sliced/peeled, whether/not planed, sanded/end-jointed, of a thickness >6mm, of Dark Red Meranti, Light Red Meranti & Meranti Bakau
Silicon	284210	Double/complex silicates, incl. aluminosilicates, whether/not chemically defined	Silicon	284920	Carbides, of silicon, whether/not chemically defined
Tin	260900	Tin ores & concentrates	Silver	261610	Silver ores & concentrates
Tin	800110	Tin, not alloyed, unwrought	Silver	284310	Colloidal precious metals
Tin	800120	Tin alloys, unwrought	Silver	284321	Silver nitrate
Tin	800200	Tin waste & scrap	Silver	284329	Silver comps. other than silver nitrate
Tin	800300	Tin bars, rods, profiles & wire	Silver	710610	Silver (incl. silver plated with Gold/platinum), in powder form
Tin	800700	Other articles of tin	Silver	710691	Silver (incl. silver plated with Gold/platinum), unwrought
Titanium	261400	Titanium ores & concentrates	Silver	710692	Silver (incl. silver plated with Gold/platinum), in semi-manufactured forms
Titanium	282300	Titanium oxides	Silver	710700	Base metals clad with silver, not further worked than semi-manufactured
Titanium	810820	Unwrought titanium; powders	Silver	711230	Ash containing precious metal/precious metal comps.
Titanium	810830	Titanium waste & scrap	Silver	711299	Waste & scrap of precious metal/of metal clad with precious metal; other waste & scrap containing precious metal/precious metal compounds, of a kind used principally for the recovery of precious metal, other than Gold/platinum, n.e.s. of 71.12
Titanium	810890	Titanium & articles thereof, n.e.s. in 81.08	Strontium	280519	Alkali/alkaline-earth metals other than sodium & calcium
Tungsten	261100	Tungsten ores & concentrates	Strontium	281640	Oxides, hydroxides & peroxides, of strontium/barium
Tungsten	284180	Tungstates (wolframates)	Strontium	283692	Strontium carbonate
Tungsten	810110	Tungsten (wolfram) powders	Talc	252610	Natural steatite, whether/not roughly trimmed/merely cut, by sawing/othw., into blocks/slabs of a rectangular (incl. square) shape; talc, not crushed/powdered
Tungsten	810194	Unwrought tungsten (wolfram), incl. bars & rods obt. simply by sintering	Talc	252620	Natural steatite, whether/not roughly trimmed/merely cut, by sawing/othw., into blocks/slabs of a rectangular (incl. square) shape; talc, crushed/powdered
Tungsten	810196	Tungsten (wolfram) wire	Tantalum	261590	Niobium/tantalum/vanadium ores & concentrates
Tungsten	810197	Tungsten (wolfram) waste & scrap	Tantalum	810320	Unwrought tantalum, incl. bars & rods obt. simply by sintering; powders
Tungsten	810199	Other tungsten (wolfram) other than waste & scrap,/wire/powder.	Tantalum	810330	Tantalum waste & scrap
Vanadium	261590	Niobium/tantalum/vanadium ores & concentrates	Tantalum	810390	Tantalum & articles thereof, n.e.s. in 81.03
Vanadium	282530	Vanadium oxides & hydroxides	Tellurium	280450	Boron; tellurium
Vanadium	811292	germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, incl. waste & scrap, powder, unwrought.	Vanadium	811299	germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, excl. waste & scrap, powder, unwrought.
Zirconium	810990	Zirconium & articles thereof, n.e.s. in 81.09	Zinc	260800	Zinc ores & concentrates
Metal waste and scrap	261800	Granulated slag (slag sand) from the manufacture of iron/steel	Zinc	262011	Ash & residues (excl. from the manufacture of iron/steel), containing hard zinc spelter
Metal waste and scrap	261900	Slag, dross (excl. granulated slag), scalings & other waste from the manufacture of iron/steel	Zinc	262019	Ash & residues (excl. from the manufacture of iron/steel), containing zinc other than hard zinc spelter

roduct	HS2007	HS Description	Product	HS2007	HS Description
etal waste and scrap	262011	Ash & residues (excl. from the manufacture of iron/steel), containing hard zinc spelter	Zinc	281700	Zinc oxide; zinc peroxide
etal waste and scrap	262019	Ash & residues (excl. from the manufacture of iron/steel), containing zinc other than hard zinc spelter	Zinc	790111	Zinc, not alloyed, unwrought, containing by weight 99.99%/more of zinc
etal waste and scrap	262021	Leaded gasoline sludges & Leaded anti-knock compound sludges	Zinc	790112	Zinc, not alloyed, unwrought, containing by weight <99.99% of zinc
etal waste and scrap	262029	Ash & residues (excl. from the manufacture of iron/steel) containing Lead (excl. of 2620.21)	Zinc	790120	Zinc alloys, unwrought
etal waste and scrap	262030	Ash & residues (excl. from the manufacture of iron/steel) containing mainly Copper	Zinc	790200	Zinc waste & scrap
etal waste and scrap	262040	Ash & residues (excl. from the manufacture of iron/steel) containing mainly Aluminium	Zinc	790310	Zinc dust
etal waste and scrap	262060	Slag,ash & residues (excl. from the manufacture of iron/steel) containing arsenic/mercury/thallium/their mixtures, of a kind used for the extraction of arsenic/those metals /for the manufacture of their chemical compounds	Zinc	790390	Zinc powders & flakes
etal waste and scrap	262091	Ash & residues (excl. from the manufacture of iron/steel) containing antimony/beryllium/cadmium/chromium/their mixtures	Zinc	790400	Zinc bars, rods, profiles & wire
etal waste and scrap	262099	Ash & residues (excl. from the manufacture of iron/steel), n.e.s. in Ch.26	Zinc	790500	Zinc plates, sheets, strip & foil
etal waste and scrap	711230	Ash containing precious metal/precious metal comps.	Zinc	790700	Other articles of zinc.
etal waste and scrap	711291	Waste & scrap of Gold, incl. metal clad with Gold but excl. sweepings containing other precious metals	Zirconium	261510	Zirconium ores & concentrates
etal waste and scrap	711292	Waste & scrap of platinum, incl. metal clad with platinum but excl. sweepings containing other precious metals	Zirconium	282560	Germanium oxides & zirconium dioxide
etal waste and scrap	711299	Waste & scrap of precious metal/of metal clad with precious metal; other waste & scrap containing precious metal/precious metal compounds, of a kind used principally for the recovery of precious metal, other than Gold/platinum, n.e.s. of 71.12	Zirconium	810920	Unwrought zirconium; powders
etal waste and scrap	720410	Waste & scrap of cast iron	Zirconium	810930	Zirconium waste & scrap
etal waste and scrap	720421	Waste & scrap of stainless steel	Metal waste and scrap	720429	Waste & scrap of alloy steel other than stainless steel
etal waste and scrap	811020	Antimony waste & scrap	Metal waste and scrap	720430	Waste & scrap of tinned iron/steel
etal waste and scrap	811100	Manganese & articles thereof , incl. waste & scrap	Metal waste and scrap	720441	Ferrous turnings, shavings, chips, milling waste, sawdust, filings, trimmings & stampings, whether/not in bundles
etal waste and scrap	811213	Beryllium waste & scrap	Metal waste and scrap	720449	Ferrous waste & scrap (excl. of 7204.10-7204.41)
etal waste and scrap	811222	Chromium waste & scrap	Metal waste and scrap	720450	Remelting ferrous scrap ingots
etal waste and scrap	811292	germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, incl. waste & scrap, powder, unwrought.	Metal waste and scrap	740400	Copper waste & scrap
ther	250590	Natural sands other than silica & quartz, whether/not coloured, other than metalbearing sands of Ch.26	Metal waste and scrap	750300	Nickel waste & scrap
ther	253090	Mineral substance, n.e.s. in Ch.25	Metal waste and scrap	760200	Aluminium waste & scrap
etal waste and scrap	811292 250590	germanium, vanadium, gallium, hafnium, indium, niobium (columbium), rhenium, & articles of these metals, incl. waste & scrap, powder, unwrought. Natural sands other than silica & quartz, whether/not coloured, other than metalbearing sands of Ch.26	Metal waste and scrap	740400 750300	Copper waste & scrap Nickel waste & scrap

Product	HS2007	HS Description	Product	HS2007	HS Description
Other	261790	Ores & concentrates (excl. of 2601.11-2617.10)	Metal waste and scrap	780200	Lead waste & scrap
Other	282590	Inorganic bases other than hydrazine & hydroxylamine & their inorganic salts; other metal oxides, hydroxides & peroxides, n.e.s. in Ch 28.25	Metal waste and scrap	790200	Zinc waste & scrap
Other	284990	Carbides (excl. of 2849.10 & 2849.20), whether/not chemically defined	Metal waste and scrap	800200	Tin waste & scrap
PMG (Platinum Metal Group)	261690	Precious metal ores & concentrates (excl. silver ores & concentrates)	Metal waste and scrap	810197	Tungsten (wolfram) waste & scrap
PMG (Platinum Metal Group)	284310	Colloidal precious metals	Metal waste and scrap	810297	Molybdenum waste & scrap
PMG (Platinum Metal Group)	284390	Inorganic/organic compounds of precious metals (excl. of 2843.21 - 2843.30), whether/not chemically defined; amalgams of precious metals	Metal waste and scrap	810330	Tantalum waste & scrap
PMG (Platinum Metal Group)	711011	Platinum, unwrought/in powder form	Metal waste and scrap	810420	Magnesium waste & scrap
PMG (Platinum Metal Group)	711019	Platinum, in semi-manufactured forms	Metal waste and scrap	810530	Cobalt waste & scrap
PMG (Platinum Metal Group)	711021	Palladium, unwrought/in powder form	Metal waste and scrap	810730	Cadmium waste & scrap
PMG (Platinum Metal Group)	711029	Palladium, in semi-manufactured forms	Metal waste and scrap	810830	Titanium waste & scrap
PMG (Platinum Metal Group)	711031	Rhodium, unwrought/in powder form	Metal waste and scrap	810930	Zirconium waste & scrap
PMG (Platinum Metal Group)	711039	Rhodium, in semi-manufactured forms	PMG (Platinum Metal Group)	711100	Base metals/silver/Gold, clad with platinum, not further worked than semi- manufactured
PMG (Platinum Metal Group)	711299	Waste & scrap of precious metal/of metal clad with precious metal; other waste & scrap containing precious metal/precious metal compounds, of a kind used principally for the recovery of precious metal, other than Gold/platinum, n.e.s. of 71.12	PMG (Platinum Metal Group)	711230	Ash containing precious metal/precious metal comps.
PMG (Platinum Metal Group)	711041	Iridium, osmium & Ruthenium, unwrought/in powder form	PMG (Platinum Metal Group)	711292	Waste & scrap of platinum, incl. metal clad with platinum but excl. sweepings containing other precious metals
PMG (Platinum Metal Group)	711049	Iridium, osmium & Ruthenium, in semi-manufactured forms			