UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM SD Specialized Disclosure Report

Ingersoll-Rand plc

(Exact name of registrant as specified in its charter)

Ireland	001-34400	98-0062632
State or other jurisdiction of incorporation or organization)	(Commission File Number)	(IRS Employer Identification No.)
170/175 Lakevie Airside Business Swords, Co. Du Ireland	Park	N/A
(Address of principal exec	utive offices)	(Zip Code)
Keith Sultana Senior Vice President - Global Operations and Integrated Supply Chain Ingersoll-Rand plc 170/175 Lakeview Dr. Airside Business Park Swords, Co. Dublin Ireland +(353) (0) 18707400		

(Name and telephone number, including area code, of the person to contact in connection with this report.)

Check the appropriate box to indicate the rule pursuant to which this form is being filed, and provide the period to which the information in this form applies:

X Rule 13p-1 under the Securities Exchange Act (17 CFR 240.13p-1) for the reporting period from January 1 to December 31, 2017.

Section 1 - Conflict Minerals Disclosure

Item 1.01 Conflict Minerals Disclosure and Report

Conflict Minerals Disclosure

Ingersoll-Rand plc (the "Company") has conducted a reasonable country of origin inquiry regarding the minerals specified by Rule 13p-1 of the Securities Exchange Act of 1934, as amended (the "conflict minerals") necessary to the functionality or production of products manufactured or contracted to manufacture by the Company for the fiscal year ended December 31, 2017. The Company exercised due diligence on the source and chain of custody of its conflict minerals using the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas. A copy of the Company's Conflict Minerals Report is provided as Exhibit 1.01 to this Form SD and is publicly available at https://company.ingersollrand.com/company/doing-business-with-us/conflict-minerals.html.

Item 1.02 Exhibit

The exhibit required by this specialized disclosure report is attached hereto as exhibit 1.01.

Section 2 - Exhibits

Item 2.01 Exhibits

<u>Exhibit</u> <u>Description</u>

1.01 Conflict Minerals Report

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the duly authorized undersigned.

INGERSOLL-RAND PUBLIC LIMITED COMPANY (Registrant)	
/s/ Keith Sultana	May 29, 2017
Keith Sultana Senior Vice President, Global Operations and Integrated Supply Chain	(Date)

Conflict Minerals Disclosure

Introduction

Ingersoll-Rand plc (the "Company") has conducted a reasonable country of origin inquiry ("RCOI") regarding the minerals specified by Rule 13p-1 of the Securities Exchange Act of 1934, as amended (the "conflict minerals") necessary to the functionality or production of products manufactured by the Company for the fiscal year ended December 31, 2017. The Company exercised due diligence on the source and chain of custody of its conflict minerals using the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas (the "OECD Framework").

Company Overview

The Company is a diversified, global company that provides products, services and solutions to enhance the quality, energy efficiency and comfort of air in homes and buildings, transport and protect food and perishables and increase industrial productivity and efficiency. Our business segments consist of Climate and Industrial, both with strong brands and highly differentiated products within their respective markets.

Product Overview

Our principal products by business segment include the following:

C	limate
Aftermarket and OEM parts and supplies	Ice energy storage solutions
Air conditioners	Indoor air quality
Air exchangers	Industrial refrigeration
Air handlers	Installation contracting
Airside and terminal devices	Large commercial unitary
Auxiliary power units	Light commercial unitary
Building management systems	Motor replacements
Bus and rail HVAC systems	Multi-pipe HVAC systems
Chillers	Package heating and cooling systems
Coils and condensers	Performance contracting
Container refrigeration systems and gensets	Rail refrigeration systems
Control systems	Refrigerant reclamation
Cryogenic refrigeration systems	Repair and maintenance services
Diesel-powered refrigeration systems	Rental services
Ductless systems	Self-powered truck refrigeration systems
Energy management services	Service agreements
Facility management services	Temporary heating and cooling systems
Furnaces	Thermostats/controls
Geothermal systems	Trailer refrigeration systems
Heat pumps	Transport heater products
Home automation	Unitary systems (light and large)
Humidifiers	Vehicle-powered truck refrigeration systems
Hybrid and non-diesel transport refrigeration solutions	Water source heat pumps

Industrial	
Compressors (centrifugal, reciprocating, and	
rotary)	Fluid power components
Air treatment and air separation systems	Installation contracting
Aftermarket controls, parts, accessories and consumables	Power tools (air, cordless and electric)

Airends Precision fastening systems
Blowers Pumps (diaphragm and piston)

Dryers Rental services

Engine starting systems Rough terrain (AWD) vehicles

Ergonomic material handling systems Service agreements
Filters Service break/fix

Fluid handling systems

Utility and consumer low-speed vehicles

Golf vehicles

Visage® mobile golf information systems

Hoists (air, electric and manual)

Winches (air, electric and hydraulic)

These products are sold primarily under our name and other names including American Standard, ARO, Club Car, Nexia, Thermo King and Trane.

Description of Reasonable Country of Origin Inquiry

We conducted an RCOI regarding the conflict minerals by utilizing the conflict minerals reporting template ("CMRT") developed by the Electronic Industry Citizenship Coalition ("EICC") and Global e-Sustainability Initiative ("GeSI"). We also performed due diligence work on the source and chain of custody of our conflict minerals using the OECD Framework, an internationally recognized due diligence framework. We primarily rely on the conflict-free smelter program designed and managed by the Responsible Minerals Initiative ("RMI") (formerly known as the Conflict-Free Sourcing Initiative) to conduct our risk assessment.

Determination

We were unable to determine that all of the conflict minerals contained in our products do not originate from the Covered Countries due to, among other things, the following:

- Many of our suppliers submitted responses that were declared on a company-wide basis (*i.e.*, representing the smelters and refiners associated with all product offerings of the supplier that contained conflict minerals) and not specific to the materials supplied to the Company. Therefore, in combination with multiple layers in our supply chain, we believe that these declarations might include smelters and refiners that do not provide the conflict minerals that are in our products.
- A number of our suppliers identified smelters/refiners that do not participate in the Responsible Minerals Assurance
 Process ("RMAP") or a similar program and other suppliers failed to identify any smelter/refiner in their responses to
 us. Furthermore, we were unable to obtain responses from all of our suppliers and other suppliers provided incomplete
 or inconsistent data.

As a result, we do not have sufficient information to conclusively determine the country of origin of all of the conflict minerals in our products and, if such conflict minerals did originate in the Covered Countries, whether such conflict minerals were from recycled or scrap sources or were from other conflict free sources. Accordingly, the Company conducted the due diligence measures described below.

Due Diligence

In accordance with Rule 13p-1, the Company performed due diligence to determine the source and chain of custody necessary to determine the presence of conflict minerals in the Company's products. The Company designed its due diligence measures to conform in all material respects with the OECD Framework and related supplements for each of the conflict minerals.

The Company, as a purchaser, is many steps removed from the mining of conflict minerals and does not purchase raw ore or unrefined conflict minerals. Identifying the presence and origin of conflict minerals cannot be determined with any certainty once the raw ores are smelted, refined and converted to ingots, bullion or other conflict mineral-containing derivatives. Although the smelters and refiners are consolidating points for raw ore and are in the best position in the supply chain to know the origin of the ores, the Company focused its efforts on its suppliers in an effort to build conflict minerals awareness and assess the transparency of its supply chain and make initial identification, where possible, of the smelters/refiners in its supply chain.

The discussion below provides the applicable OECD Framework recommendation (in *bold/italics*) followed by a summary of the Company's activities in line with the OECD Framework.

1. Management Systems.

The Company adopted a Conflict Minerals Policy in 2013. The policy requires suppliers to perform due diligence and outlines the Company's expectation of suppliers. During 2014, the Company revised and strengthened the policy. During 2017, the Company continued to communicate the policy to suppliers and the public through its website, letters sent to suppliers and customers and telephone calls.

Internal Management Systems.

The Company's conflict minerals compliance program for the fiscal year ended December 31, 2017 was managed by a cross-functional team lead by procurement and including representatives from procurement, legal and finance. This team discussed conflict minerals compliance issues and reviewed the status of the diligence process. Also during 2017, the global procurement team created self-paced training modules that will be an annual requirement for the Company's commodities team beginning in 2018.

Control System and Supply Chain Transparency

The Company implemented a process to evaluate commodities and suppliers in the supply chain for potential conflict minerals risk and an internal process map for the conflict minerals process that is subject to periodic reviews. Supplier agreement templates require suppliers and licensees to provide information on their use and source of conflict minerals. Given the size and complexity of the Company's global supply chain, the Company focused on its largest suppliers, ranked by the amount the Company spends with each such supplier, and suppliers that had the highest probability of supplying the Company with materials or components containing conflict minerals (the "Targeted Suppliers"). For 2017, this group represented, greater than 89% of the Company's in-scope suppliers by spend. The Company requested supply chain information from Targeted Suppliers utilizing templates developed by the EICC and GeSI. During 2017, the Company distributed the CMRT to Targeted Suppliers, tracked responses and followed up with unresponsive suppliers. The Company maintains records relating to its annual supplier survey.

Supplier Engagement

The Company's standard global terms and conditions include a conflict minerals clause. The Company's standard procurement contracts also contain a conflict minerals clause. In 2017, the Company continued implementation of a preferred supplier program. In order to be designated as a preferred supplier of the Company, a supplier must supply any required conflict minerals information to the Company and comply with other required criteria.

Grievance Mechanism

The Company has an e-mail address for receiving conflict minerals communications internally and an external e-mail mechanism through the Company's public website. The Company intends to treat grievances as red flags for purposes of the due diligence process.

2. Identify and assess risk in the supply chain.

The Company works with its commodity team and engineering team as appropriate to review the commodities necessary for the manufacture of its products to determine the associated level of risk of containing conflict minerals focusing its due diligence efforts on commodities at the highest risk.

Following the identification of the commodities, the Company requires Targeted Suppliers to complete a survey using the EICC-GeSI template at a company and parts level. The Company reviews survey responses for completeness and compiles aggregate survey responses. The Company follows up with suppliers when responses are incomplete or other questions are raised by the responses. The Company tracks response rates and red flags as part of its conflict minerals reporting process.

3. Design and implement a strategy to respond to identified risks.

The Company developed a strategy to systematically reduce the extent of exposure to certain risk and the likelihood of its occurrence. Steps taken include communicating a policy to Targeted Suppliers noting that suppliers must thoroughly document their efforts to determine the source of any conflict minerals or derivatives and be prepared to provide the Company with evidence of the origin of any conflict minerals contained in products supplied to the

Company. The strategy uses a documented escalation process for suppliers who fail to respond, which may result in termination of the supplier's relationship with the Company and/or failure to be considered for future projects with the Company.

The Company has created a standard due diligence process, has engaged in a gap analysis regarding its conflict minerals process, and has monitored and tracked responses to its conflict minerals requests as well as its escalation efforts. Senior management is updated as needed. Additional fact finding, risk assessments and evaluations of changes in circumstances take place as part of the Company's annual review of processes and procedures.

4. Carry out independent third-party audit of supply chain due diligence at identified points in the supply chain. Companies at identified points in the supply chain should have their due diligence practices audited by independent third parties.

In 2014, the Company engaged an independent third party to provide a review of the Company's conflict minerals compliance program including review of its existing conflict minerals policy and due diligence process. The Company implemented enhancements to the program in 2014 and 2015 as a result of this review. In 2017, the Company continued its membership in the RMI. The Company continued to implement steps using information from the RMI to conduct a review of summary smelter information to determine if the smelter is certified as conflict free or presents a "red flag" as defined by the OECD Guidance as part of its diligence related to 2017 supplier survey responses.

5. Report on supply chain due diligence.

The Company has complied with its SEC filing requirement regarding its conflict minerals program and due diligence by the filing of this report. The Company has made this report available on its external website at https://company.ingersollrand.com/company/doing-business-with-us/conflict-minerals.html and has included its conflict minerals policy and other resources at that web address. The Company continues to refine and improve its conflict minerals policy, questionnaire and processes, and to expand awareness regarding its conflict minerals policies.

Results of Due Diligence

After performing the due diligence described above, we are unable to determine that all of the conflict minerals contained in the products described above did not originate from the Covered Countries. For the reasons stated in this report, we also do not have sufficient information to conclusively determine the country of origin of all of the conflict minerals in our products described below and, if such conflict minerals did originate in the Covered Countries, whether such conflict minerals were from recycled or scrap sources or were from other conflict free sources.

We have provided this information as of the date of this report. Subsequent events, such as the inability or unwillingness of any suppliers, smelters or refiners to provide us with complete information, may affect our future determinations under the Rule.

Information on Smelters or Refiners

The CMRT requested that the Targeted Suppliers provide the Company with information on the smelters or refiners that the Targeted Suppliers and its suppliers use to supply conflict minerals to the Company. Because the Company does not typically have a direct relationship with the facilities used to process conflict minerals, we must rely on information provided by the Targeted Suppliers. Some responses from the Targeted Suppliers indicated that they were unable to provide smelter or refiner information at this time. Other Targeted Suppliers provided information on all smelters or refiners used by the Targeted Supplier but could not provide information linking specific smelters or refiners used to process conflict minerals with products provided to the Company. Some Targeted Suppliers provided names that the suppliers described as "smelters" but such names could not be linked to smelters on the RMI list, and may not, in fact, be smelters. Based on the information provided by the Targeted Suppliers, the Company has identified 452 smelters from the RMI list, of which 243 have been validated as audited and found conformant with the relevant RMAP standard. These smelters are included in the list attached as Annex 1 to this report.

Steps to Improve Due Diligence

The Company continues to identify opportunities to improve its due diligence and mitigate risk relating to conflict minerals. Below are some of the steps that the Company is considering taking:

- Continuation of supplier engagement;
- Continuation of company membership in RMI;
- Continuation of our supplier engagement and training and encouraging suppliers to use training resources available
 through industry associations and the RMI; and

• Encouraging supplier and other company membership and participation in RMI.

Cautionary Statement about Forward-Looking Statements

Certain statements in this report, other than purely historical information, are "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These forward-looking statements generally are identified by the words "believe," "project," "expect," "anticipate," "estimate," "forecast," "outlook," "intend," "strategy," "plan," "may," "should," "will," "could," "would," "will be," "will continue," "will likely result," or the negative thereof or variations thereon or similar terminology generally intended to identify forward-looking statements.

Forward-looking statements are based on currently available information and our current assumptions, expectations and projections about future events. While we believe that our assumptions, expectations and projections are reasonable in view of the currently available information, you are cautioned not to place undue reliance on our forward-looking statements. You are advised to review any further disclosures we make on related subjects in materials we file with or furnish to the SEC. Forward-looking statements speak only as of the date they are made and are not guarantees of future performance. They are subject to future events, risks and uncertainties - many of which are beyond our control - as well as potentially inaccurate assumptions, that could cause actual results to differ materially from our expectations and projections. We do not undertake to update any forward-looking statements.

Annex 1

	THINK I	
Gold	ABC corporation	ALGERIA
Gold	Abington Reldan Metals, LLC	UNITED STATES OF AMERICA
Gold	Advanced Chemical Company	UNITED STATES OF AMERICA
Gold	African Gold Refinery	UGANDA
Gold	Aida Chemical Industries Co., Ltd.	JAPAN
Gold	Aktyubinsk Copper Company TOO	KAZAKHSTAN
Gold	Al Etihad Gold Refinery DMCC	UNITED ARAB EMIRATES
Gold	Al Ghaith Gold	UNITED ARAB EMIRATES
Gold	Allgemeine Gold-und Silberscheideanstalt A.G.	GERMANY
Gold	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN
Gold	AngloGold Ashanti Corrego do Sitio Mineracao	BRAZIL
Gold	Argor-Heraeus S.A.	SWITZERLAND
Gold	Asahi Pretec Corp.	JAPAN
Gold	Asahi Refining Canada Ltd.	CANADA
Gold	Asahi Refining USA Inc.	UNITED STATES OF AMERICA
Gold	Asaka Riken Co., Ltd.	JAPAN
Gold	Atasay Kuyumculuk Sanayi Ve Ticaret A.S.	TURKEY
Gold	AU Traders and Refiners	SOUTH AFRICA
Gold	AURA-II	UNITED STATES OF AMERICA
Gold	Aurubis AG	GERMANY
Gold	Baiyin Nonferrous Metals Corporation (BNMC)	CHINA
Gold	Bangalore Refinery	INDIA
	Bangko Sentral ng Pilipinas (Central Bank of the	
Gold	Philippines)	PHILIPPINES
Gold	Batu Hijau Gold & Copper Mining	UNKNOWN
Gold	Bauer Walser AG	GERMANY
Gold	Boliden AB	SWEDEN
Gold	Boston Metal	UNKNOWN
Gold	C. Hafner GmbH + Co. KG	GERMANY
Gold	Caridad	MEXICO
Gold	CCR Refinery - Glencore Canada Corporation	CANADA
Gold	Cendres + Metaux S.A.	SWITZERLAND
Gold	CHENGGONG TECHNOLOGY CO.,LTD.	CHINA
Gold	Chimet S.p.A.	ITALY
Gold	China Gold International Resources Corp. Ltd.	CHINA
Gold	China Steel Corporation	CHINA
Gold	Chin-Leep Enterprise Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Gold	Chugai Mining	JAPAN
Gold	Codelco	CHILE
Gold	Daejin Indus Co., Ltd.	KOREA, REPUBLIC OF
Gold	Daye Non-Ferrous Metals Mining Ltd.	CHINA
Gold	Degussa Sonne / Mond Goldhandel GmbH	GERMANY
Gold	DODUCO Contacts and Refining GmbH	GERMANY
Gold	Dowa	JAPAN
Gold	DS PRETECH Co., Ltd.	KOREA, REPUBLIC OF

G 11		WOREA REPUBLIC OF
Gold	DSC (Do Sung Corporation)	KOREA, REPUBLIC OF
Gold	Eco-System Recycling Co., Ltd.	JAPAN
Gold	Elemetal Refining, LLC	UNITED STATES OF AMERICA
Gold	Emirates Gold DMCC	UNITED ARAB EMIRATES
Gold	Faggi Enrico S.p.A.	ITALY
Gold	Fidelity Printers and Refiners Ltd.	ZIMBABWE
Gold	GCC Gujrat Gold Centre Pvt. Ltd.	INDIA
Gold	Geib Refining Corporation	UNITED STATES OF AMERICA
Gold	Gold Refinery of Zijin Mining Group Co., Ltd.	CHINA
Gold	Great Wall Precious Metals Co., Ltd. of CBPM	CHINA
Gold	Guangdong Jinding Gold Limited	CHINA
Gold	Guangdong Jinding High-Tech Materials Company	CHINA
Gold	Guoda Safina High-Tech Environmental Refinery Co., Ltd.	CHINA
Gold	Hang Seng Technology	CHINA
Gold	Hangzhou Fuchunjiang Smelting Co., Ltd.	CHINA
Gold	Harmony Gold Refinery	SOUTH AFRICA
Gold	HeeSung Metal Ltd.	KOREA, REPUBLIC OF
Gold	Heimerle + Meule GmbH	GERMANY
Gold	Henan Yuguang Gold & Lead Co., Ltd.	CHINA
Gold	Heraeus Metals Hong Kong Ltd.	CHINA
Gold	Heraeus Precious Metals GmbH & Co. KG	GERMANY
Gold	Hunan Chenzhou Mining Co., Ltd.	CHINA
Gold	HwaSeong CJ CO., LTD.	KOREA, REPUBLIC OF
	Inner Mongolia Qiankun Gold and Silver Refinery Share	
Gold	Co., Ltd.	CHINA
Gold	Ishifuku Metal Industry Co., Ltd.	JAPAN
Gold	Istanbul Gold Refinery	Turkey
Gold	Italpreziosi	ITALY
Gold	Japan Mint	JAPAN
Gold	Jean Goldschmidt International	BELGIUM
Gold	Jiangxi Copper Co., Ltd.	CHINA
Gold	Jinlong Copper Co., Ltd.	CHINA
Gold	JSC Ekaterinburg Non-Ferrous Metal Processing Plant	RUSSIAN FEDERATION
Gold	JSC Uralelectromed	RUSSION FEDERATION
Gold	JX Nippon Mining & Metals Co., Ltd.	JAPAN
Gold	Kaloti Precious Metals	UNITED ARAB EMIRATES
Gold	Kazakhmys Smelting LLC	KAZAKHSTAN
Gold	Kazzinc	KAZAKHSTAN
Gold	Kennecott Utah Copper LLC	UNITED STATES OF AMERICA
Gold	KGHM Polska Miedz Spolka Akcyjna	POLAND
Gold	2 22	JAPAN
	Kojima Chemicals Co., Ltd.	
Gold	Korea Metal Co., Ltd.	KOREA, REPUBLIC OF
Gold	Korea Zinc Co., Ltd.	KOREA, REPUBLIC OF
Gold	KOVOHUTE PRIBRAM NASTUPNICKA, A.S.	
Gold	Kyrgyzaltyn JSC	KYRGYZSTAN
Gold	Kyshtym Copper-Electrolytic Plant ZAO	RUSSIAN FEDERATION
Gold	L'azurde Company For Jewelry	SAUDI ARABIA

G 11	1. 1 0.110 1.1	CHDIA
Gold	Lingbao Gold Co., Ltd.	CHINA
Gold	Lingbao Jinyuan Tonghui Refinery Co., Ltd.	CHINA
Gold	LINXENS	UNKNOWN
Gold	L'Orfebre S.A.	ANDORRA
Gold	LS-NIKKO Copper Inc.	KOREA, REPUBLIC OF
Gold	Luoyang Zijin Yinhui Gold Refinery Co., Ltd.	CHINA
Gold	Marsam Metals	BRAZIL
Gold	Materion	UNITED STATES OF AMERICA
Gold	Matsuda Sangyo Co., Ltd.	JAPAN
Gold	Metahub Industries Sdn. Bhd.	MALAYSIA
Gold	Metalor Technologies (Hong Kong) Ltd.	CHINA
Gold	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE
Gold	Metalor Technologies (Suzhou) Ltd.	CHINA
Gold	Metalor Technologies S.A.	SWITZERLAND
Gold	Metalor USA Refining Corporation	UNITED STATES OF AMERICA
Gold	Metalurgica Met-Mex Penoles S.A. De C.V.	MEXICO
Gold	Mitsubishi Materials Corporation	JAPAN
Gold	Mitsui Mining and Smelting Co., Ltd.	JAPAN
Gold	MMTC-PAMP India Pvt., Ltd.	INDIA
Gold	Modeltech Sdn Bhd	MALAYSIA
Gold	Morris and Watson	NEW ZEALAND
Gold	Morris and Watson Gold Coast	AUSTRALIA
Gold	Moscow Special Alloys Processing Plant	RUSSIAN FEDERATION
Gold	Nadir Metal Rafineri San. Ve Tic. A.S.	TURKEY
Gold	Navoi Mining and Metallurgical Combinat	UZBEKISTAN
Gold	Newmont Mining Corporation (NMC)	UNKNOWN
Gold	NH Recytech Company	KOREA, REPUBLIC OF
Gold	Nihon Material Co., Ltd.	JAPAN
	Ogussa Osterreichische Gold- und Silber-Scheideanstalt	
Gold	GmbH	AUSTRIA
Gold	Ohura Precious Metal Industry Co., Ltd.	JAPAN
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Gold	Plant" (OJSC Krastsvetmet)	RUSSIAN FEDERATION
Gold	OJSC Kolyma Refinery	RUSSIAN FEDERATION
Gold	OJSC Novosibirsk Refinery	RUSSIAN FEDERATION
Gold	PAMP S.A.	SWITZERLAND
Gold	Pease & Curren	UNITED STATES OF AMERICA
Gold	Penglai Penggang Gold Industry Co., Ltd.	CHINA
Gold	Planta Recuperadora de Metales SpA	CHILE
Gold	Precious Metals Sales Corp.	UNITED STATES OF AMERICA
Gold	Prioksky Plant of Non-Ferrous Metals	RUSSIAN FEDERATION
Gold	PT Aneka Tambang (Persero) Tbk	INDONESIA
Gold	PX Precinox S.A.	SWITZERLAND
Gold	Rand Refinery (Pty) Ltd.	SOUTH AFRICA
Gold	Refinery of Seemine Gold Co., Ltd.	CHINA
Gold	Remondis Argentia B.V.	NETHERLANDS
Gold	Republic Metals Corporation	UNITED STATES OF AMERICA

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Gold THE HUTTI GOLD MINES CO.LTD INDIA Gold The Refinery of Shandong Gold Mining Co., Ltd. CHINA Gold Tokuriki Honten Co., Ltd. JAPAN Gold Tongling Nonferrous Metals Group Co., Ltd. CHINA Gold Tony Goetz NV BELGIUM Gold TOO Tau-Ken-Altyn KAZAKHSTAN Gold Torecom KOREA, REPUBLIC OF Gold Umicore Brasil Ltda. BRAZIL Gold Umicore Precious Metals Thailand THAILAND Gold Umicore S.A. Business Unit Precious Metals Refining Gold United Precious Metal Refining, Inc. UNITED STATES OF AMERICA Gold Universal Precious Metals Refining Zambia ZAMBIA Gold Valcambi S.A. SWITZERLAND Gold Wam Technologies Taiwan Co., Ltd. TAIWAN, PROVINCE OF CHINA Gold Western Australian Mint (T/a The Perth Mint) AUSTRALIA Gold WIELAND Edelmetalle GmbH GERMANY Gold Yamakin Co., Ltd. JAPAN	Gold	T.C.A S.p.A	ITALY
Gold Tokuriki Honten Co., Ltd. JAPAN Gold Tokuriki Honten Co., Ltd. JAPAN Gold Tongling Nonferrous Metals Group Co., Ltd. CHINA Gold Tony Goetz NV BELGIUM Gold TOO Tau-Ken-Altyn KAZAKHSTAN Gold Torecom KOREA, REPUBLIC OF Gold Umicore Brasil Ltda. BRAZIL Gold Umicore Precious Metals Thailand THAILAND Gold Umicore S.A. Business Unit Precious Metals Refining BELGIUM Gold United Precious Metal Refining, Inc. UNITED STATES OF AMERICA Gold Universal Precious Metals Refining Zambia ZAMBIA Gold Valcambi S.A. SWITZERLAND Gold Wam Technologies Taiwan Co., Ltd. TAIWAN, PROVINCE OF CHINA Gold WIELAND Edelmetalle GmbH GERMANY Gold Yamakin Co., Ltd. JAPAN	Gold	Tanaka Kikinzoku Kogyo K.K.	JAPAN
Gold Tokuriki Honten Co., Ltd. Gold Tongling Nonferrous Metals Group Co., Ltd. CHINA Gold Tony Goetz NV BELGIUM Gold TOO Tau-Ken-Altyn Gold Torecom KOREA, REPUBLIC OF Gold Umicore Brasil Ltda. BRAZIL Gold Umicore Precious Metals Thailand Gold Umicore S.A. Business Unit Precious Metals Refining Gold United Precious Metal Refining, Inc. United Precious Metals Refining Zambia Gold Universal Precious Metals Refining Zambia Gold Valcambi S.A. SWITZERLAND Gold Wam Technologies Taiwan Co., Ltd. TAIWAN, PROVINCE OF CHINA Gold WIELAND Edelmetalle GmbH GERMANY Gold Yamakin Co., Ltd. JAPAN	Gold	THE HUTTI GOLD MINES CO.LTD	INDIA
Gold Tongling Nonferrous Metals Group Co., Ltd. Gold Tony Goetz NV Gold TOO Tau-Ken-Altyn KAZAKHSTAN Gold Torecom KOREA, REPUBLIC OF Gold Umicore Brasil Ltda. Gold Umicore Precious Metals Thailand THAILAND Gold Umicore S.A. Business Unit Precious Metals Refining BELGIUM Gold United Precious Metal Refining, Inc. UNITED STATES OF AMERICA Gold Universal Precious Metals Refining Zambia ZAMBIA Gold Valcambi S.A. Gold Wam Technologies Taiwan Co., Ltd. Gold Western Australian Mint (T/a The Perth Mint) Gold WIELAND Edelmetalle GmbH GERMANY Gold Yamakin Co., Ltd. JAPAN	Gold	The Refinery of Shandong Gold Mining Co., Ltd.	CHINA
Gold Tony Goetz NV Gold TOO Tau-Ken-Altyn KAZAKHSTAN KOREA, REPUBLIC OF Gold Umicore Brasil Ltda. Gold Umicore Precious Metals Thailand Gold Umicore S.A. Business Unit Precious Metals Refining Gold United Precious Metal Refining, Inc. UNITED STATES OF AMERICA Gold Universal Precious Metals Refining Zambia Cold Universal Precious Metals Refining Zambia Cold Wam Technologies Taiwan Co., Ltd. Gold Western Australian Mint (T/a The Perth Mint) Gold WIELAND Edelmetalle GmbH GOld Yamakin Co., Ltd. JAPAN	Gold		JAPAN
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Gold Umicore Brasil Ltda. BRAZIL Gold Umicore Precious Metals Thailand THAILAND Gold Umicore S.A. Business Unit Precious Metals Refining BELGIUM Gold United Precious Metal Refining, Inc. UNITED STATES OF AMERICA Gold Universal Precious Metals Refining Zambia ZAMBIA Gold Valcambi S.A. SWITZERLAND Gold Wam Technologies Taiwan Co., Ltd. TAIWAN, PROVINCE OF CHINA Gold Western Australian Mint (T/a The Perth Mint) AUSTRALIA Gold WIELAND Edelmetalle GmbH GERMANY Gold Yamakin Co., Ltd. JAPAN	Gold	Tony Goetz NV	BELGIUM
Gold Umicore Brasil Ltda. Gold Umicore Precious Metals Thailand Gold Umicore S.A. Business Unit Precious Metals Refining Gold United Precious Metal Refining, Inc. Gold Universal Precious Metals Refining Zambia Gold Universal Precious Metals Refining Zambia Gold Valcambi S.A. Gold Wam Technologies Taiwan Co., Ltd. Gold Western Australian Mint (T/a The Perth Mint) Gold WIELAND Edelmetalle GmbH Gold Yamakin Co., Ltd. GERMANY JAPAN	Gold	TOO Tau-Ken-Altyn	KAZAKHSTAN
Gold Umicore Precious Metals Thailand THAILAND Gold Umicore S.A. Business Unit Precious Metals Refining BELGIUM Gold United Precious Metal Refining, Inc. UNITED STATES OF AMERICA Gold Universal Precious Metals Refining Zambia ZAMBIA Gold Valcambi S.A. SWITZERLAND Gold Wam Technologies Taiwan Co., Ltd. TAIWAN, PROVINCE OF CHINA Gold Western Australian Mint (T/a The Perth Mint) AUSTRALIA Gold WIELAND Edelmetalle GmbH GERMANY Gold Yamakin Co., Ltd. JAPAN	Gold		KOREA, REPUBLIC OF
Gold United Precious Metal Refining, Inc. Gold Universal Precious Metals Refining Zambia Gold Universal Precious Metals Refining Zambia Gold Valcambi S.A. Gold Wam Technologies Taiwan Co., Ltd. Gold Western Australian Mint (T/a The Perth Mint) Gold WIELAND Edelmetalle GmbH Gold Yamakin Co., Ltd. Gold JAPAN	Gold	Umicore Brasil Ltda.	BRAZIL
Gold United Precious Metal Refining, Inc. Gold Universal Precious Metals Refining Zambia Gold Valcambi S.A. Gold Wam Technologies Taiwan Co., Ltd. Gold Western Australian Mint (T/a The Perth Mint) Gold WIELAND Edelmetalle GmbH Gold Yamakin Co., Ltd. UNITED STATES OF AMERICA EAMBIA SWITZERLAND TAIWAN, PROVINCE OF CHINA GUSTRALIA GERMANY JAPAN	Gold	Umicore Precious Metals Thailand	THAILAND
Gold Universal Precious Metals Refining Zambia ZAMBIA Gold Valcambi S.A. SWITZERLAND Gold Wam Technologies Taiwan Co., Ltd. TAIWAN, PROVINCE OF CHINA Gold Western Australian Mint (T/a The Perth Mint) AUSTRALIA Gold WIELAND Edelmetalle GmbH GERMANY Gold Yamakin Co., Ltd. JAPAN	Gold	Umicore S.A. Business Unit Precious Metals Refining	BELGIUM
Gold Valcambi S.A. Gold Wam Technologies Taiwan Co., Ltd. Gold Western Australian Mint (T/a The Perth Mint) Gold WIELAND Edelmetalle GmbH Gold Yamakin Co., Ltd. SWITZERLAND TAIWAN, PROVINCE OF CHINA AUSTRALIA GERMANY JAPAN	Gold	United Precious Metal Refining, Inc.	UNITED STATES OF AMERICA
GoldWam Technologies Taiwan Co., Ltd.TAIWAN, PROVINCE OF CHINAGoldWestern Australian Mint (T/a The Perth Mint)AUSTRALIAGoldWIELAND Edelmetalle GmbHGERMANYGoldYamakin Co., Ltd.JAPAN	Gold	Universal Precious Metals Refining Zambia	ZAMBIA
Gold Western Australian Mint (T/a The Perth Mint) AUSTRALIA Gold WIELAND Edelmetalle GmbH GERMANY Gold Yamakin Co., Ltd. JAPAN	Gold	Valcambi S.A.	SWITZERLAND
Gold WIELAND Edelmetalle GmbH GERMANY Gold Yamakin Co., Ltd. JAPAN	Gold	Wam Technologies Taiwan Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Gold Yamakin Co., Ltd. JAPAN		· · · · · · · · · · · · · · · · · · ·	
·	Gold		GERMANY
Gold Yamato Denki Ind. Co., Ltd. UNKNOWN			JAPAN
	Gold	Yamato Denki Ind. Co., Ltd.	UNKNOWN

Gold	Yokohama Metal Co., Ltd.	JAPAN
Gold	Yunnan Copper Industry Co., Ltd.	CHINA
Gold	Zhongkuang Gold Industry Co., Ltd.	CHINA
Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA
Gold	Zhuzhou Smelting Group Co., Ltd	CHINA
		UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN
Tantalum	A&M Minerals Limited	IRELAND
Tantalum	AMG Mining Mibra Mine	
Tantalum	Changsha South Tantalum Niobium Co., Ltd.	CHINA
Tantalum	D Block Metals, LLC	UNITED STATES OF AMERICA
Tantalum	Duoluoshan	CHINA
Tantalum	E.S.R. Electronics	UNITED STATES OF AMERICA
Tantalum	Exotech Inc.	UNITED STATES OF AMERICA
Tantalum	F&X Electro-Materials Ltd.	CHINA
Tantalum	FIR Metals & Resource Ltd.	CHINA
Tantalum	Gannon & Scott	UNITED STATES OF AMERICA
Tantalum	Global Advanced Metals Aizu	JAPAN
Tantalum	Global Advanced Metals Boyertown	UNITED STATES OF AMERICA
Tantalum	Guangdong Zhiyuan New Material Co., Ltd.	CHINA
Tantalum	Guizhou Zhenhua Xinyun Technology Ltd., Kaili branch	CHINA
Tantalum	H.C. Starck Co., Ltd.	THAILAND
Tantalum	H.C. Starck GmbH	GERMANY
Tantalum	H.C. Starck Hermsdorf GmbH	GERMANY
Tantalum	H.C. Starck Inc.	UNITED STATES OF AMERICA
Tantalum	H.C. Starck Ltd.	JAPAN
Tantalum	H.C. Starck Smelting GmbH & Co. KG	GERMANY
Tantalum	H.C. Starck Tantalum and Niobium GmbH	GERMANY
Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	CHINA
Tantalum	Hi-Temp Specialty Metals, Inc.	UNITED STATES OF AMERICA
Tantalum	Hunan Chenzhou Mining Co., Ltd.	CHINA
Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA
Tantalum	Jiangxi Tuohong New Raw Material	CHINA
Tantalum	JiuJiang JinXin Nonferrous Metals Co., Ltd.	CHINA
Tantalum	Jiujiang Tanbre Co., Ltd.	CHINA
Tantalum	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	CHINA
Tantalum	KEMET Blue Metals	MEXICO
Tantalum	Kemet Blue Powder	UNITED STATES OF AMERICA
Tantalum	King-Tan Tantalum Industry Ltd.	CHINA
Tantalum	LSM Brasil S.A.	BRAZIL
Tantalum	Metallurgical Products India Pvt., Ltd.	INDIA
Tantalum	Mineracao Taboca S.A.	BRAZIL
Tantalum	Mitsui Mining and Smelting Co., Ltd.	JAPAN
Tantalum	Nantong Tongjie Electrical Co., Ltd.	UNKNOWN
Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA
Tantalum	Nuvoton Technology Corp.	UNKNOWN
Tantalum	Plansee SE	AUSTRIA

Plansee SE Liezen Tantalum **AUSTRIA** Tantalum Plansee SE Reutte **AUSTRIA** MACEDONIA, THE FORMER Tantalum Power Resources Ltd. YUGOSLAV ŘEPUBLIC OF Tantalum UNITED STATES OF AMERICA OuantumClean RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum Tantalum & Niobium Co., Ltd. **CHINA** Tantalum Shanghai Jiangxi Metals Co., Ltd. **CHINA** Solar Applied Materials Technology Corp. Tantalum TAIWAN, PROVINCE OF CHINA Solikamsk Magnesium Works OAO Tantalum **RUSSIAN FEDERATION** Tantalum Taki Chemical Co., Ltd. **JAPAN** Tantalum Tantalite Resources **SOUTH AFRICA** Tantalum Telex Metals UNITED STATES OF AMERICA Tantalum Tranzact, Inc. UNITED STATES OF AMERICA Tantalum Ulba Metallurgical Plant JSC KAZAKHSTAN Tantalum XinXing Haorong Electronic Material Co., Ltd. CHINA Tantalum Yichun Jin Yang Rare Metal Co., Ltd. **CHINA** Tantalum Zhuzhou Cemented Carbide Group Co., Ltd. **CHINA** Tin AK Steel Corp. UNITED STATES OF AMERICA Tin A-kyo Enterprise Co. Ltd. UNKNOWN Tin ALLTECH METAL Tin UNITED STATES OF AMERICA Alpha Tin American Iron and Metal CANADA Tin An Thai Minerals Co., Ltd. **VIET NAM** Tin An Vinh Joint Stock Mineral Processing Company VIET NAM Tin Angelcast Enterprise Co., Ltd. **CHINA** Tin Aoki Labatories Ltd **CHINA** Tin Aurubis Netherlands Tin Baoshida Swissmetal UNKNOWN Tin Befesa Aluminio, S.L. CFC Cooperativa dos Fundidores de Cassiterita da Tin Amazonia Ltda. **BRAZIL** Tin Chenzhou Yunxiang Mining and Metallurgy Co., Ltd. **CHINA** Tin Chifeng Dajingzi Tin Industry Co., Ltd. **CHINA** Tin China Tin Group Co., Ltd. **CHINA** Tin Chofu Works UNKNOWN Tin Chorus Tata Steel **UNKNOWN** Tin CNMC (Guangxi) PGMA Co., Ltd. **CHINA** Tin Codelco **CHILE** Tin Constellium Extrusions Decin s.r.o. Tin Cooperativa Metalurgica de Rondonia Ltda. **BRAZIL** Tin CV Ayi Jaya **INDONESIA** Tin CV Dua Sekawan INDONESIA Tin CV Duta Putra Bangka **INDONESIA** Tin CV Gita Pesona **INDONESIA** Tin CV Makmur Jaya INDONESIA Tin **CV** United Smelting **INDONESIA**

Tin	CV Venus Inti Perkasa	INDONESIA
Tin	Dae Kil Metal Co., Ltd	KOREA, REPUBLIC OF
Tin	Dede Kimya	
Tin	Dowa	JAPAN
Tin	Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company	VIET NAM BOLIVIA (PLURINATIONAL STATE
Tin	EM Vinto	OF)
Tin	Estanho de Rondonia S.A.	BRAZIL
Tin	E-tech Philippines	PHILIPPINES
Tin	Eximetal S.A.	ARGENTINA
Tin	Feinhutte Halsbrucke GmbH	GERMANY
Tin	Fenix Metals	POLAND
Tin	Fuji Metal Mining Corp.	JAPAN
Tin	Gejiu Fengming Metallurgy Chemical Plant	CHINA
Tin	Gejiu Jinye Mineral Company	CHINA
Tin	Gejiu Kai Meng Industry and Trade LLC	CHINA
Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	CHINA
Tin	Gejiu Yunxi Group Corp.	CHINA
Tin	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA
Tin	Gejiu Zili Mining And Metallurgy Co., Ltd.	CHINA
Tin	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	CHINA
Tin	Guanyang Guida Nonferrous Metal Smelting Plant	CHINA
Tin	Hayes Metals Pty Ltd	
Tin	Heraeus Precious Metals GmbH & Co. KG	GERMANY
Tin	HuiChang Hill Tin Industry Co., Ltd.	CHINA
Tin	Huichang Jinshunda Tin Co., Ltd.	CHINA
Tin	Jau Janq Enterprise Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Tin	Jean Goldschmidt International	BELGIUM
Tin	Jiangxi Ketai Advanced Material Co., Ltd.	CHINA
Tin	JX Nippon Mining & Metals Co., Ltd.	JAPAN
Tin	Keeling & Walker	BELGIUM
Tin	Linqu Xianggui Smelter Co., Ltd.	CHINA
Tin	Magnu's Minerais Metais e Ligas Ltda.	BRAZIL
Tin	Malaysia Smelting Corporation (MSC)	MALAYSIA
Tin	MARCO METALES DE MEXICO,S. DE R.L. DE C.V.	UNKNOWN
Tin	Materials Eco-Refining Co., Ltd.	JAPAN
Tin	MCP Metalspecialties, Inc	UNITED STATES OF AMERICA
Tin	Medeko Cast S.R.O.	
Tin	Melt Metais e Ligas S.A.	BRAZIL
Tin	Metahub Industries Sdn. Bhd.	MALAYSIA
Tin	Metallic Resources, Inc.	UNITED STATES OF AMERICA
Tin	Metallo Belgium N.V.	BELGIUM
Tin	Metallo Spain S.L.U.	SPAIN
Tin	Minchali Metal Industry Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Tin	Mineracao Taboca S.A.	BRAZIL
Tin	Ming Li Jia smelt Metal Factory	CHINA
	·	

Tin	Minmetals Ganzhou Tin Co. Ltd.	CHINA
Tin	Minsur	PERU
Tin	Mitsubishi Materials Corporation	JAPAN
Tin	Modeltech Sdn Bhd	MALAYSIA
Tin	Nghe Tinh Non-Ferrous Metals Joint Stock Company	VIET NAM
Tin	Northern Smelter	
Tin	O.M. Manufacturing (Thailand) Co., Ltd.	THAILAND
Tin	O.M. Manufacturing Philippines, Inc.	PHILIPPINES
Tin	Operaciones Metalurgical S.A.	BOLIVIA (PLURINATIONAL STATE OF)
Tin	Phoenix Metal Ltd.	RWANDA
Tin	Plansee	AUSTRIA
Tin	Pongpipat Company Limited	MYANMAR
Tin	PT Alam Lestari Kencana	INDONESIA
Tin	PT Aries Kencana Sejahtera	INDONESIA
Tin	PT Artha Cipta Langgeng	INDONESIA
Tin	PT ATD Makmur Mandiri Jaya	INDONESIA
Tin	PT Babel Inti Perkasa	INDONESIA
Tin	PT Bangka Kudai Tin	INDONESIA
Tin	PT Bangka Prima Tin	INDONESIA
Tin	PT Bangka Putra Karya	INDONESIA
Tin	PT Bangka Serumpun	INDONESIA
Tin	PT Bangka Timah Utama Sejahtera	INDONESIA
Tin	PT Bangka Tin Industry	INDONESIA
Tin	PT Belitung Industri Sejahtera	INDONESIA
Tin	PT BilliTin Makmur Lestari	INDONESIA
Tin	PT Bukit Timah	INDONESIA
Tin	PT Cipta Persada Mulia	INDONESIA
Tin	PT DS Jaya Abadi	INDONESIA
Tin	PT Eunindo Usaha Mandiri	INDONESIA
Tin	PT Fang Di MulTindo	INDONESIA
Tin	PT Inti Stania Prima	INDONESIA
Tin	PT Justindo	INDONESIA
Tin	PT Karimun Mining	INDONESIA
Tin	PT Kijang Jaya Mandiri	INDONESIA
Tin	PT Koba Tin	INDONESIA
Tin	PT Lautan Harmonis Sejahtera	INDONESIA
Tin	PT Menara Cipta Mulia	INDONESIA
Tin	PT Mitra Stania Prima	INDONESIA
Tin	PT O.M. Indonesia	INDONESIA
Tin	PT Panca Mega Persada	INDONESIA
Tin	PT Pelat Timah Nusantara Tbk	INDONESIA
Tin	PT Prima Timah Utama	INDONESIA
Tin	PT Refined Bangka Tin	INDONESIA
Tin	PT Sariwiguna Binasentosa	INDONESIA
Tin	PT Seirama Tin Investment	INDONESIA
Tin	PT Stanindo Inti Perkasa	INDONESIA

Tin	PT Sukses Inti Makmur	INDONEISA
Tin	PT Sumber Jaya Indah	INDONESIA
Tin	PT Timah (Persero) Tbk Kundur	INDONESIA
Tin	PT Timah (Persero) Tok Mentok	INDONESIA
Tin	PT Timah (Persero) Tbk	INDONESIA
Tin	PT Tinindo Inter Nusa	INDONESIA
Tin	PT Tirus Putra Mandiri	INDONESIA
Tin	PT Tommy Utama	INDONESIA
Tin	PT Wahana Perkit Jaya	INDONESIA
Tin	Resind Industria e Comercio Ltda.	BRAZIL
Tin	Rui Da Hung	TAIWAN, PROVINCE OF CHINA
Tin	Soft Metais Ltda.	BRAZIL
Tin	Super Ligas	BRAZIL
Tin	Thaisarco	THAILAND
Tin		VIET NAM
Tin	Tuyen Quang Non-Ferrous Metals Joint Stock Company Untracore Co., Ltd.	UNKNOWN
Tin		VIET NAM
Tin	VQB Mineral and Trading Group JSC White Solder Metalygia a Minerage Ltde	BRAZIL
Tin	White Solder Metalurgia e Mineracao Ltda.	
	Wonil Metal Co., Ltd.	KOREA, REPUBLIC OF CHINA
Tin	Wu Xi Shi Yi Zheng Ji Xie She Bei Company WUXI YUNXI SANYE SOLDER FACTORY	
Tin		CHINA
Tin	Xin Furukawa Metal (Wuxi) Co., Ltd.	CHINA
Tin	YQ	UNKNOWN
Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA
Tin	Yunnan Chengo Electric Smelting Plant	CHINA
Tin	Yunnan Tin Company Limited	CHINA
		UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN
Tungsten	A&M Minerals Limited	IRELAND
Tungsten	A.L.M.T. TUNGSTEN Corp.	JAPAN
Tungsten	ACL Metais Eireli	BRAZIL
Tungsten	Air Products	UNITED STATES OF AMERICA
Tungsten	Asia Tungsten Products Vietnam Ltd.	VIET NAM
Tungsten	Aubert & Duval	
Tungsten	Ceratizit S.A	UNKNOWN
Tungsten	Chenzhou Diamond Tungsten Products Co., Ltd.	CHINA
Tungsten	China Minmetals Non-ferrous Metals Holding Co., Ltd.	CHINA
Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA
Tungsten	Chunbao Carbide Science & Technology Co., Ltd.	UNKNOWN
Tungsten	Dayu Jincheng Tungsten Industry Co., Ltd.	CHINA
Tungsten	Dayu Weiliang Tungsten Co., Ltd.	CHINA
_	Fujian Ganmin Rare Metal Co., Ltd. (Jiangxi Rare Earth &	
Tungsten	Rare Metals Tungsten Group Corp.)	CHINA
Tungsten	Fujian Jinxin Tungsten Co., Ltd.	CHINA
Tungsten	Ganxian Shirui New Material Co., Ltd.	CHINA
Tungsten	Ganzhou Huaxing Tungsten Products Co., Ltd.	CHINA
Tungsten	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	CHINA

Tungsten	Ganzhou Non-ferrous Metals Smelting Co., Ltd.	CHINA	
Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	CHINA	
Tungsten	Ganzhou Yatai Tungsten Co., Ltd.	CHINA	
Tungsten	Global Tungsten & Powders Corp.	UNITED STATES OF AMERICA	
Tungsten	Goodfellow Holdings Limited	UNKNOWN	
Tungsten	Graphite India Limited		
Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	CHINA	
Tungsten	H.C. Starck Tungsten GmbH	GERMANY	
Tungsten	Hunan Chenzhou Mining Co., Ltd.	CHINA	
Tungsten	Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji	CHINA	
Tungsten	Hunan Chuangda Vanadium Tungsten Co., Ltd. Yanglin	CHINA	
Tungsten	Hunan Chunchang Nonferrous Metals Co., Ltd.	CHINA	
Tungsten	Hydrometallurg, JSC	RUSSIAN FEDERATION	
Tungsten	Japan New Metals Co., Ltd.	JAPAN	
Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CHINA	
Tungsten	Jiangxi Dayu Longxintai Tungsten Co., Ltd.	CHINA	
Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA	
Tungsten	Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.	CHINA	
	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co.,		
Tungsten	Ltd.	CHINA	
Tungsten	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	CHINA	
Tungsten	Jiangxi Xiushui Xianggan Nonferrous Metals Co., Ltd.	CHINA	
Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA	
Tungsten	Kennametal Fallon	UNITED STATES OF AMERICA	
Tungsten	Kennametal Huntsville	UNITED STATES OF AMERICA	
Tungsten	Malipo Haiyu Tungsten Co., Ltd.	CHINA	
Tungsten	Materion	UNITED STATES OF AMERICA	
Tungsten	Minsur	PERU PUGGIAN FEDERATION	
Tungsten	Moliren Ltd.	RUSSIAN FEDERATION	
Tungsten	Niagara Refining LLC	UNITED STATES OF AMERICA	
Tungsten	North American Tungsten	CANADA	
Tungsten	Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC	VIET NAM	
Tungsten	Philippine Chuangxin Industrial Co., Inc.	PHILIPPINES	
Tungsten	Pobedit, JSC	RUSSIAN FEDERATION	
8	South-East Nonferrous Metal Company Limited of		
Tungsten	Hengyang City	CHINA	
Tungsten	Sunaga Tungsten	UNKNOWN	
Tungsten	TaeguTec	KOREA, REPUBLIC OF	
Tungsten	Tejing (Vietnam) Tungsten Co., Ltd.	VIET NAM	
Tungsten	Unecha Refractory Metals Plant	RUSSIAN FEDERATION	
Tungsten	Vietnam Youngsun Tungsten Industry Co., Ltd.	VIET NAM	
Tungsten	Western Australian Mint trading as The Perth Mint	AUSTRALIA	
Tungsten	Wolfram Bergbau und Hutten AG	AUSTRIA	
Tungsten	Wolfram Company CJSC	RUSSIAN FEDERATION	
Tungsten	Woltech Korea Co., Ltd.	KOREA, REPUBLIC OF	
Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA	

Tungsten	Xiamen Tungsten Co., Ltd.	CHINA
	Xinfeng Huarui Tungsten & Molybdenum New Material	
Tungsten	Co., Ltd.	CHINA
Tungsten	Xinhai Rendan Shaoguan Tungsten Co., Ltd.	CHINA