

MSI Conflict Minerals Policy :

In respect of international human rights, MSI will take related measures to avoid using Conflict Minerals, including asking suppliers to conduct due diligence to investigate and confirm the source of raw material and provide investigation reports. MSI will take all necessary measures to replace the Conflict Metals, if any, used in supplier product.

Please refer below list for the smelters which MSI supply chain used:

Metal	Smelter Reference List	Smelter Country
Gold	AGR Mathey	AUSTRALIA
Gold	Ögussa Österreichische Gold- und Silber-Scheideanstalt GmbH	AUSTRIA
Gold	Umicore SA Business Unit Precious Metals Refining	BELGIUM
Gold	AngloGold Ashanti Córrego do Sítio Mineração	BRAZIL
Gold	Umicore Brasil Ltda.	BRAZIL
Gold	CCR Refinery - Glencore Canada Corporation	CANADA
Gold	Johnson Matthey Limited	CANADA
Gold	Royal Canadian Mint	CANADA
Gold	China's Shandong Gold Mining Co., Ltd.	CHINA
Gold	Daye Non-Ferrous Metals Mining Ltd.	CHINA
Gold	Fujian Zijin mining stock company gold smelter	CHINA
Gold	Gansu Seemine Material Hi-Tech Co., Ltd.	CHINA
Gold	Guangdong Jinding Gold Limited	CHINA
Gold	Heraeus Ltd. Hong Kong	CHINA
Gold	Hunan Chenzhou Mining Group Co., Ltd.	CHINA
Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Company Limited	CHINA
Gold	Jiangxi Copper Company Limited	CHINA
Gold	Lingbao Gold Company Limited	CHINA
Gold	Lingbao Jinyuan Tonghui Refinery Co., Ltd.	CHINA
Gold	Luoyang Zijin Vinhui Metal Smelt Co Ltd	CHINA
Gold	Metalor Technologies (Hong Kong) Ltd.	CHINA
Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA
Gold	The Great Wall Gold and Silver Refinery of China	CHINA
Gold	Tongling Nonferrous Metals Group Co., Ltd.	CHINA
Gold	Yunnan Copper Industry Co., Ltd.	CHINA
Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA
Gold	Yantai NUS Safina tech environmental Refinery Co. Ltd.	CHINA
Gold	Hangzhou Fuchunjiang Smelting Co., Ltd.	CHINA
Gold	Metalor Technologies (Suzhou) Ltd.	CHINA

Gold	Penglai Penggang Gold Industry Co., Ltd.	CHINA
Gold	Shandong Tiancheng Biological Gold Industrial Co., Ltd.	CHINA
Gold	Sichuan Tianze Precious Metals Co., Ltd.	CHINA
Gold	China National Gold Group Corporation	China
Gold	Allgemeine Gold-und Silberscheideanstalt A.G.	GERMANY
Gold	Aurubis AG	GERMANY
Gold	Bauer Walser AG	GERMANY
Gold	C. Hafner GmbH + Co. KG	GERMANY
Gold	Doduco	GERMANY
Gold	Heimerle + Meule GmbH	GERMANY
Gold	Heraeus Precious Metals GmbH & Co. KG	GERMANY
Gold	SAXONIA Edelmetalle GmbH	GERMANY
Gold	WIELAND Edelmetalle GmbH	GERMANY
Gold	MMTC-PAMP India Pvt., Ltd.	INDIA
Gold	PT Aneka Tambang (Persero) Tbk	INDONESIA
Gold	Chimet S.p.A.	ITALY
Gold	Faggi Enrico S.p.A.	ITALY
Gold	T.C.A S.p.A	ITALY
Gold	Aida Chemical Industries Co., Ltd.	JAPAN
Gold	Amagasaki Factory, Hyogo Prefecture, Japan	JAPAN
Gold	Asaka Riken Co., Ltd.	JAPAN
Gold	Chugai Mining	JAPAN
Gold	Dowa	JAPAN
Gold	Eco-System Recycling Co., Ltd.	JAPAN
Gold	Ishifuku Metal Industry Co., Ltd.	JAPAN
Gold	Japan Mint	JAPAN
Gold	JX Nippon Mining & Metals Co., Ltd.	JAPAN
Gold	Kojima Chemicals Co., Ltd.	JAPAN
Gold	Matsuda Sangyo Co., Ltd.	JAPAN
Gold	MEM(Sumitomo Group)	JAPAN
Gold	Mitsubishi Materials Corporation	JAPAN
Gold	Mitsui Mining and Smelting Co., Ltd.	JAPAN
Gold	Nihon Material Co., Ltd.	JAPAN
Gold	Ohura Precious Metal Industry Co., Ltd.	JAPAN
Gold	Shonan Plant Tanaka Kikinzoku	JAPAN
Gold	Tokuriki Honten Co., Ltd.	JAPAN
Gold	Yamamoto Precious Metal Co., Ltd.	JAPAN
Gold	Yokohama Metal Co., Ltd.	JAPAN
Gold	Kazzinc	KAZAKHSTAN
Gold	Aktyubinsk Copper Company TOO	KAZAKHSTAN

Gold	Kazakhmys Smelting LLC	KAZAKHSTAN
Gold	Daejin Indus Co., Ltd.	KOREA, REPUBLIC OF
Gold	Do Sung Corporation	KOREA, REPUBLIC OF
Gold	Hwasung CJ Co., Ltd.	KOREA, REPUBLIC OF
Gold	Korea Metal Co., Ltd.	KOREA, REPUBLIC OF
Gold	LS-NIKKO Copper Inc.	KOREA, REPUBLIC OF
Gold	SAMWON Metals Corp.	KOREA, REPUBLIC OF
Gold	Torecom	KOREA, REPUBLIC OF
Gold	Samduck Precious Metals	KOREA, REPUBLIC OF
Gold	Kyrgyzaltyn JSC	KYRGYZSTAN
Gold	Metahub Industries Sdn. Bhd.	MALAYSIA
Gold	Caridad	MEXICO
Gold	Met-Mex Penoles, S.A.	MEXICO
Gold	Schone Edelmetaal B.V.	NETHERLANDS
Gold	Morris and Watson	NEW ZEALAND
Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES
Gold	KGHM Polska Miedź Spółka Akcyjna	POLAND
Gold	FSE Novosibirsk Refinery	RUSSIAN FEDERATION
Gold	JSC Ekaterinburg Non-Ferrous Metal Processing Plant	RUSSIAN FEDERATION
Gold	JSC Uralelectromed	RUSSIAN FEDERATION
Gold	Moscow Special Alloys Processing Plant	RUSSIAN FEDERATION
Gold	OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)	RUSSIAN FEDERATION
Gold	OJSC Kolyma Refinery	RUSSIAN FEDERATION
Gold	Prioksky Plant of Non-Ferrous Metals	RUSSIAN FEDERATION
Gold	SOE Shyolkovsky Factory of Secondary Precious Metals	RUSSIAN FEDERATION
Gold	L' azurde Company For Jewelry	SAUDI ARABIA
Gold	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE
Gold	Rand Refinery (Pty) Ltd.	SOUTH AFRICA
Gold	SEMPSA Joyería Platería SA	SPAIN
Gold	Boliden AB	SWEDEN
Gold	Argor-Heraeus SA	SWITZERLAND
Gold	Cendres + Métaux SA	SWITZERLAND
Gold	Metalor Technologies SA	SWITZERLAND
Gold	PAMP SA	SWITZERLAND
Gold	PX Précinox SA	SWITZERLAND
Gold	Valcambi SA	SWITZERLAND
Gold	Solar Applied Materials Technology Corp.	TAIWAN
Gold	Singway Technology Co., Ltd.	TAIWAN
Gold	Umicore Precious Metals Thailand	THAILAND

Gold	ATAkulche	TURKEY
Gold	Istanbul Gold Refinery	TURKEY
Gold	Nadir Metal Rafineri San. Ve Tic. A.Ş.	TURKEY
Gold	Al Etihad Gold Refinery DMCC	UNITED ARAB EMIRATES
Gold	Accurate Refining Group	UNITED STATES
Gold	Advanced Chemical Company	UNITED STATES
Gold	Johnson Matthey Inc.	UNITED STATES
Gold	Kennecott Utah Copper LLC	UNITED STATES
Gold	Materion	UNITED STATES
Gold	Metalor USA Refining Corporation	UNITED STATES
Gold	Ohio Precious Metals, LLC	UNITED STATES
Gold	Sabin Metal Corp.	UNITED STATES
Gold	United Precious Metal Refining, Inc.	UNITED STATES
Gold	Geib Refining Corporation	UNITED STATES
Gold	Republic Metals Corporation	UNITED STATES
Gold	Colt Refining	UNITED STATES
Gold	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN
Gold	Navoi Mining and Metallurgical Combinat	UZBEKISTAN
Gold	Fidelity Printers and Refiners Ltd.	ZIMBABWE
Gold	Korea Zinc Co. Ltd.	Korea Zinc Co. Ltd.

Metal	Smelter Reference List	Smelter Country
Tantalum	Plansee SE Liezen	AUSTRIA
Tantalum	Plansee SE Reutte	AUSTRIA
Tantalum	LSM Brasil S.A.	BRAZIL
Tantalum	Mineração Taboca S.A.	BRAZIL
Tantalum	Changsha South Tantalum Niobium Co., Ltd.	CHINA
Tantalum	Conghua Tantalum and Niobium Smeltry	CHINA
Tantalum	Douluoshan Sapphire Rare Metal Co Ltd	CHINA
Tantalum	F&X Electro-Materials Ltd.	CHINA
Tantalum	Guangdong Zhiyuan New Material Co., Ltd.	CHINA
Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	CHINA
Tantalum	Jiujiang JinXin Nonferrous Metals Co., Ltd.	CHINA
Tantalum	Jiujiang Tanbre Co., Ltd.	CHINA
Tantalum	King-Tan Tantalum Industry Ltd.	CHINA
Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA
Tantalum	RFH	CHINA
Tantalum	Yichun Jin Yang Rare Metal Co., Ltd.	CHINA

Tantalum	Zhuzhou Cemented Carbide	CHINA
Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA
Tantalum	Guizhou Zhenhua Xinyun Technology Ltd., Kaili branch	CHINA
Tantalum	FIR Metals & Resource Ltd.	CHINA
Tantalum	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	CHINA
Tantalum	XinXing HaoRong Electronic Material Co., Ltd.	CHINA
Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA
Tantalum	Molycorp Silmet A.S.	ESTONIA
Tantalum	H.C. Starck GmbH Goslar	GERMANY
Tantalum	H.C. Starck GmbH Laufenburg	GERMANY
Tantalum	H.C. Starck Hermsdorf GmbH	GERMANY
Tantalum	H.C. Starck Smelting GmbH & Co.KG	GERMANY
Tantalum	Metallurgical Products India Pvt., Ltd.	INDIA
Tantalum	Global Advanced Metals Aizu	JAPAN
Tantalum	H.C. Starck Ltd.	JAPAN
Tantalum	Mitsui Mining & Smelting	JAPAN
Tantalum	Taki Chemicals	JAPAN
Tantalum	Metal Do Co. Ltd.	JAPAN
Tantalum	Ulba Metallurgical Plant JSC	KAZAKHSTAN
Tantalum	KEMET Blue Metals	MEXICO
Tantalum	Solikamsk Metal Works	RUSSIAN FEDERATION
Tantalum	H.C. Starck Co., Ltd.	THAILAND
Tantalum	Exotech Inc.	UNITED STATES
Tantalum	Global Advanced Metals Boyertown	UNITED STATES
Tantalum	H.C. Starck Inc.	UNITED STATES
Tantalum	Hi-Temp	UNITED STATES
Tantalum	KEMET Blue Powder	UNITED STATES
Tantalum	QuantumClean	UNITED STATES
Tantalum	Telex Metals	UNITED STATES
Tantalum	D Block Metals, LLC	UNITED STATES
Tantalum	Tranzact, Inc.	UNITED STATES
Tantalum	Resind Indústria e Comércio Ltda.	Resind Indústria e Comércio Ltda.

Metal	Smelter Reference List	Smelter Country
Tin	Metallo-Chimique N.V.	BELGIUM
Tin	Metallo-Chimique N.V.	BELGIUM
Tin	EM Vinto	BOLIVIA

Tin	OMSA	BOLIVIA
Tin	Cooper Santa	BRAZIL
Tin	Estanho de Rondônia S.A.	BRAZIL
Tin	Magnu's Minerais Metais e Ligas Ltda.	BRAZIL
Tin	Melt Metais e Ligas S/A	BRAZIL
Tin	Mineração Taboca S.A.	BRAZIL
Tin	Soft Metais Ltda.	BRAZIL
Tin	White Solder Metalurgia e Mineração Ltda.	BRAZIL
Tin	Resind Indústria e Comércio Ltda.	BRAZIL
Tin	China Rare Metal Material Co., Ltd.	CHINA
Tin	China Tin Lai Ben Smelter Co., Ltd.	CHINA
Tin	China Yunnan Tin Co Ltd.	CHINA
Tin	CNMC (Guangxi) PGMA Co., Ltd.	CHINA
Tin	Gejiu Kai Meng Industry and Trade LLC	CHINA
Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	CHINA
Tin	Gejiu Zi-Li	CHINA
Tin	Huichang Jinshunda Tin Co., Ltd.	CHINA
Tin	Jiangxi Nanshan	CHINA
Tin	Linwu Xianggui Smelter Co	CHINA
Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA
Tin	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA
Tin	Feinhütte Halsbrücke GmbH	GERMANY
Tin	Brand IMLI	INDONESIA
Tin	CV Gita Pesona	INDONESIA
Tin	CV Justindo	INDONESIA
Tin	CV Nurjanah	INDONESIA
Tin	CV Serumpun Sebalai	INDONESIA
Tin	CV United Smelting	INDONESIA
Tin	Kundur Smelter	INDONESIA
Tin	PT Alam Lestari Kencana	INDONESIA
Tin	PT Artha Cipta Langgeng	INDONESIA
Tin	PT Babel Inti Perkasa	INDONESIA
Tin	PT Bangka Kudai Tin	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 Eunindo Usaha Mandiri	INDONESIA
Tin	PT Fang Di MulTindo	INDONESIA
Tin	PT Inti Stania Prima	INDONESIA

Tin	PT Karimun Mining	INDONESIA
Tin	PT Mitra Stania Prima	INDONESIA
Tin	PT Panca Mega Persada	INDONESIA
Tin	PT Pelat Timah Nusantara Tbk	INDONESIA
Tin	PT Refined Bangka Tin	INDONESIA
Tin	PT Sariwiguna Binasantosa	INDONESIA
Tin	PT Seirama Tin Investment	INDONESIA
Tin	PT Stanindo Inti Perkasa	INDONESIA
Tin	PT Sumber Jaya Indah	INDONESIA
Tin	PT Tinindo Inter Nusa	INDONESIA
Tin	PT Tommy Utama	INDONESIA
Tin	Unit Metalurgi PT Timah Persero TBK	INDONESIA
Tin	CV Ayi Jaya	INDONESIA
Tin	PT DS Jaya Abadi	INDONESIA
Tin	PT Prima Timah Utama	INDONESIA
Tin	CV Venus Inti Perkasa	INDONESIA
Tin	PT Tirus Putra Mandiri	INDONESIA
Tin	PT Wahana Perkit Jaya	INDONESIA
Tin	PT ATD Makmur Mandiri Jaya	INDONESIA
Tin	CV Ayi Jaya	INDONESIA
Tin	PT Cipta Persada Mulia	INDONESIA
Tin	PT Bangka Prima Tin	INDONESIA
Tin	PT Sukses Inti Makmur	INDONESIA
Tin	PT Koba Tin	INDONESIA
Tin	PT HP Metals Indonesia	INDONESIA
Tin	PT Yinchendo Mining Industry	INDONESIA
Tin	Dowa	JAPAN
Tin	Mitsubishi Materials Corporation	JAPAN
Tin	Malaysia Smelting Corporation (MSC)	MALAYSIA
Tin	Metahub Industries Sdn. Bhd.	MALAYSIA
Tin	Minsur	PERU
Tin	O.M. Manufacturing Philippines, Inc.	PHILIPPINES
Tin	Fenix Metals	POLAND
Tin	Novosibirsk Integrated Tin Works	RUSSIAN FEDERATION
Tin	Phoenix Metal Ltd.	RWANDA
Tin	Elmet S.L.U. (Metallo Group)	SPAIN
Tin	Rui Da Hung	TAIWAN
Tin	O.M. Manufacturing (Thailand) Co., Ltd.	THAILAND
Tin	Thai Solder Industry Corp., Ltd.	THAILAND

Tin	Alpha	UNITED STATES
Tin	Metallic Resources, Inc.	UNITED STATES
Tin	VQB Mineral and Trading Group JSC	VIET NAM
Tin	Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company	VIET NAM
Tin	Tuyen Quang Non-Ferrous Metals Joint Stock Company	VIET NAM
Tin	An Vinh Joint Stock Mineral Processing Company	VIET NAM
Tin	An Thai Minerals Company Limited	VIET NAM
Tin	CV Dua Sekawan	CV Dua Sekawan

Metal	Smelter Reference List	Smelter Country
Tungsten	Wolfram Bergbau und Hütten AG	AUSTRIA
Tungsten	Chaozhou Xianglu Tungsten Industry Co., Ltd.	CHINA
Tungsten	Chenzhou Diamond Tungsten Products Co., Ltd.	CHINA
Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA
Tungsten	Dayu Weiliang Tungsten Co., Ltd.	CHINA
Tungsten	Fujian Jinxin Tungsten 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	Hunan Chenzhou Mining Group Co., Ltd.	CHINA
Tungsten	Hunan Chunchang Nonferrous Metals Co., Ltd.	CHINA
Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CHINA
Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA
Tungsten	Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.	CHINA
Tungsten	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	CHINA
Tungsten	Jiangxi Xiushui Xianggan Nonferrous Metals Co., Ltd.	CHINA
Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA
Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA
Tungsten	Xiamen Tungsten Co., Ltd.	CHINA
Tungsten	Xinhai Rendan Shaoguan Tungsten Co., Ltd.	CHINA
Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	CHINA
Tungsten	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	CHINA
Tungsten	Malipo Haiyu Tungsten Co., Ltd.	CHINA
Tungsten	Dayu Jincheng Tungsten Industry Co., Ltd.	CHINA
Tungsten	Ganxian Shirui New Material Co., Ltd.	CHINA
Tungsten	Ganzhou Yatai Tungsten Co., Ltd.	CHINA
Tungsten	Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji	CHINA

Tungsten	H.C. Starck GmbH	GERMANY
Tungsten	H.C. Starck Smelting GmbH & Co.KG	GERMANY
Tungsten	A.L.M.T. TUNGSTEN Corp.	JAPAN
Tungsten	Japan New Metals Co., Ltd.	JAPAN
Tungsten	Pobedit, JSC	RUSSIAN FEDERATION
Tungsten	Hydrometallurg, JSC	RUSSIAN FEDERATION
Tungsten	Wolfram Company CJSC	RUSSIAN FEDERATION
Tungsten	ATI Metalworking Products	UNITED STATES
Tungsten	Global Tungsten & Powders Corp.	UNITED STATES
Tungsten	Kennametal Fallon	UNITED STATES
Tungsten	Niagara Refining LLC	UNITED STATES
Tungsten	Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC	VIET NAM
Tungsten	Tejing (Vietnam) Tungsten Co., Ltd.	VIET NAM
Tungsten	Vietnam Youngsun Tungsten Industry Co., Ltd.	VIET NAM
Tungsten	Asia Tungsten Products Vietnam Ltd.	VIET NAM
Tungsten	Sanher Tungsten Vietnam Co., Ltd.	VIET NAM

The supplier list
of MSI for reference
chain must