



INSIGHT INTO UNCERTAINTY: LEVERAGING THE COMMODITY RISK DASHBOARD

From mass lockdowns to disruptions in transportation and production, the COVID-19 pandemic exposed the fragility of global supply chains. In response, President Joe Biden issued Executive Order (EO) 14017 to strengthen the resilience of U.S. supply chains. But how can the federal government assess which goods have an increased risk of disruption?

In response, MITRE created the **Commodity Risk Dashboard (CRD)** to provide a flexible and interactive capability that can rapidly identify foreign dependencies for goods. The CRD distills six months of custom analysis into a rapid landscape view of the current state of a supply, including an essential basket of goods. The CRD also provides a lightweight relative-risk ranking across a sponsor's group of priority goods, informing sponsors where additional attention may need to be focused. This information can then be used for a deep-dive analysis through additional tools at MITRE.

The CRD provides three critical capabilities: **(1)** commodity ranking by geopolitical risk, **(2)** identification of countries that provide the commodity, and **(3)** identification of commodities the United States relies on per country. The geopolitical risk ranking is determined using a risk indicator for each commodity that is based on the geopolitical risk associated with the countries exporting those goods to the United States.

The CRD provides a comprehensive view of data at varying levels of granularity, from broad industry overviews to specific goods. It offers users the ability to filter the data, focusing on particular industries or types of commodities. Furthermore, the dashboard can highlight commodities deemed critical by EO 14017. Utilizing free and open data, specifically U.S.A. Trade Data, the dashboard ensures broad accessibility across MITRE and its sponsors. Ultimately, understanding the risks associated with these commodities is crucial, as it can significantly impact the stability and efficiency of the supply chain.



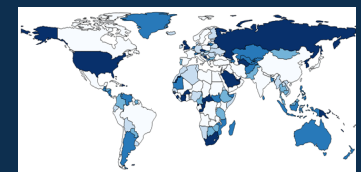
CRD access is available to sponsors by request. Contact supplychainsecurity@mitre.org for more information.

Commodity Risk Dashboard

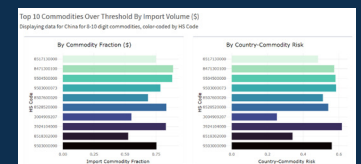
Ranks commodities by geopolitical risk

HS Code	HS Code Description	Import Vol	PolRiskScore	PolRiskRank	Import Vol
8471.50.00	INTEGRATED CIRCUITS (ICs) (COMMODITY)	12.700	0.000000	1.000000	0.000
8471.60.00	SEMICONDUCTORS (OTHER THAN DIODES AND RECTIFIERS)	0.700	0.000000	1.000000	0.000
2804.29.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.21.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.22.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.23.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.24.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.25.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.26.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.27.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.28.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.29.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.30.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.31.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.32.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.33.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.34.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.35.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.36.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.37.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.38.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.39.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000
2804.40.00	IRON OXIDE (HAEMATITE) IN UNFUSED STATE	0.700	0.000000	1.000000	0.000

For each commodity, identifies Countries that we rely on



For each country, identifies goods for which we rely on them



Contact Us

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MITRE's mission-driven teams are dedicated to solving problems for a safer world. Through our public-private partnerships and federally funded R&D centers, we work across government and in partnership with industry to tackle challenges to the safety, stability, and well-being of our nation.