



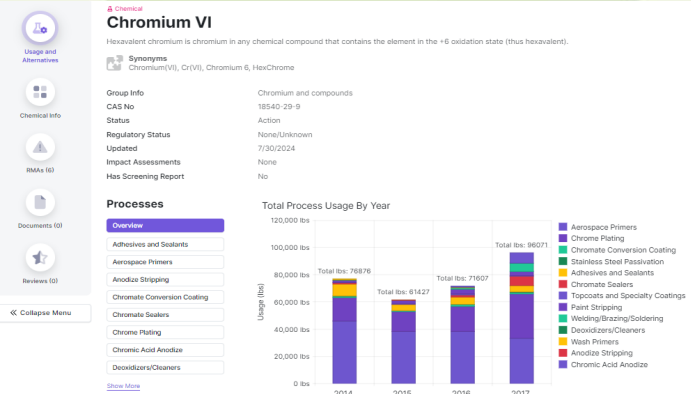
# DOD SUSTAINABLE MATERIAL ALTERNATIVES REPORTING TOOL (SMART)

## PROJECT OVERVIEW

SMART is an enterprise-wide selection tool designed to enhance data accessibility and enable effective resource allocation to identify less hazardous sustainment technologies and improve decision-making. This specialized software tool identifies where hazardous materials are used, how they are used, and how much is used, and provides a repository of potential sustainable alternatives. By leveraging extensive chromium and cadmium data as a pilot, and including additional data on vanadium and hydrofluorocarbons, the tool helps the RDT&E community identify sustainable alternatives, reduce regulatory burdens, and ensure consistent decision-making, mitigating mission readiness impacts and long-term costs.

## BENEFITS

The tool is expected to yield significant cost savings by reducing regulatory compliance expenses and improving the allocation of RDT&E funds, potentially saving millions of dollars annually. By streamlining technology selection and supporting decision-making across the life cycle, it also mitigates long-term sustainment costs for DoD installations.



The SMART website, highlighting its user-friendly interface for visualizing chemical processes and usage data across the DoD and identifying more environmentally sustainable technologies.

## PATH FORWARD

This project expanded the prototype to a full scale tool that improves data accessibility and provides recommendations to support decision-making regarding the investment and use of sustainable material alternatives. The tool will be transitioned to the DENIX platform, accessible to Military Departments and Contractors. Sponsor organizations are currently planning and budgeting for sustainment of SMART to continue adding additional chemical and alternatives data.

## FOR FURTHER INFORMATION

National Defense Center for Energy and Environment (NDCCE)  
<http://www.denix.osd.mil/ndcee/>

Office of the Secretary of Defense (OSD), Under Secretary of Defense for Acquisition and Sustainment (OUSD A&S)  
<https://www.acq.osd.mil/>

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