



# Sustainable Technology Evaluation and Demonstration (STED) Program

## Biobased Corrosion Inhibitor and Rust Remover Demonstration



### Technology Description

Biobased corrosion inhibitors applied to metal surfaces of equipment, parts, fixtures, and weapons systems as a preservative to prevent corrosion or deterioration; replace chemicals that are more toxic or non-biodegradable. Rust removers are products that are designed to clean and remove grease, oil, dirt, stains, soils, and rust from metal surfaces.

### Potential Impact

- Improve corrosion prevention.
- Reduce coating interference with the use of the associated part or system.
- Reduce negative impacts to workers and environment.

### Benefits

- Non-toxic and biodegradable; little to no Volatile Organic Compounds.
- BioPreferred Product Category: expand markets for domestic agricultural products.

### Demonstration Sites

- NASCC
- Redstone Arsenal
- CCAD
- U.S. Navy FRC-SE

### For additional information please contact:

- [osd.mc-alex.ousd-a-s.mesg.dod-sted-program-mbx@mail.mil](mailto:osd.mc-alex.ousd-a-s.mesg.dod-sted-program-mbx@mail.mil)
- Department of Defense (DoD) Sustainable Products Center (SPC): <https://www.denix.osd.mil/spc/index.html>



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