Title: The Conservation of Materials

The conservation of critical materials-necessary to the successful prosecution of the war effort-is a problem which engineers particularly can help to solve, since most critical materials are used in operations under the direction of engineers.

Methods of Conserving Critical Materials
A. Making the greatest possible use of what we have:
1. Increasing extent of use of existing facilities.
2. Prolong life.
3. Reuse of recovered materials.
B. Limiting of additions to and changes in facilities to those necessary for essential services. Similarly limiting production programs.
C. Making minimum use of critical materials in all construction and production:
1. Substitution of less critical materials for more critical materials.
2. Redesign to use less material.
3. Limiting additions to facilities required for immediate needs only.
4. Standardization.
D. Getting back into circulation materials which can be spared:
1. Clean up and dispose of junk.
2. Reduction of inventories.
3. Taking materials out of working facilities.

Corresponding Author: Ava Karami
Material Engineer, Materials Science and Simulation, Polymer Science, Bochum, North Rhine-Westphalia, Germany
Email: a_karami93@yahoo.com
contact No: +49 234 32201