



Designation: D 457 – 85 (Reapproved 1997)

## Standard Specification for Modified Soda (Sesquicarbonate Type)<sup>1</sup>

This standard is issued under the fixed designation D 457; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

### 1. Scope

1.1 This specification covers material suitable for various washing, cleaning, and scouring processes, with or without soap as conditions demand, and where a mildly alkaline material is desired.

1.2 This material may be hazardous if not properly managed.

1.3 Precautionary information for the safe use, storage and disposal of this material should be preliminarily obtained from suppliers and others.

1.4 In case of personal accident with this material, apply appropriate first aid, telephone the nearest Poison Control Center for assistance, and get medical attention immediately.

### 2. Referenced Documents

2.1 *ASTM Standards:*

D 501 Test Methods of Sampling and Chemical Analysis of Alkaline Detergents<sup>2</sup>

### 3. Terminology

3.1 *Definition of Term Specific to This Standard:*

3.1.1 Modified soda (sesquicarbonate type) shall be a white,

uniform powder or crystal, as specified by the purchaser, composed of sodium carbonate and sodium bicarbonate.

NOTE 1—This product is commonly known as laundry soda.

### 4. Ordering Information

4.1 Modified soda (sesquicarbonate type) shall be purchased by net weight.

### 5. Chemical Composition

5.1 Modified soda (sesquicarbonate type), as received, shall conform to the requirements as to chemical composition prescribed in Table 1.

### 6. Sampling and Analysis

6.1 The material shall be sampled and analyzed in accordance with Test Methods D 501.

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee D-12 on Soaps and Other Detergents and is the direct responsibility of Subcommittee D 12.14 on Specifications for Analysis of Inorganic Alkaline Detergents.

Current edition approved May 31, 1985. Published July 1985. Originally published as D 457 – 37. Last previous edition D 457 – 39 (1980).

<sup>2</sup> *Annual Book of ASTM Standards*, Vol 15.04.