



CGA G-1.7—2020
STANDARD FOR STORAGE AND
HANDLING OF CALCIUM
CARBIDE IN CONTAINERS

SIXTH EDITION

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Work Item 17-018
Acetylene Committee

NOTE—Technical changes from the previous edition are underlined.

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1 Introduction

This publication is one of a series compiled by the Compressed Gas Association, Inc. to provide information on the production, transportation, handling, and storage of compressed gases, cryogenic liquids, and related products.

2 Scope and purpose

2.1 Scope

This standard covers the storage and handling of calcium carbide in containers from the calcium carbide manufacturer to the point of use.

2.2 Purpose

The purpose of this standard is to provide information on the storage and handling of calcium carbide and to provide background for training employees in the handling of calcium carbide.

3 Definitions

For the purpose of this publication, the following definitions apply.

3.1 Publication terminology

3.1.1 Shall

Indicates that the procedure is mandatory. It is used wherever the criterion for conformance to specific recommendations allows no deviation.

3.1.2 Should

Indicates that a procedure is recommended.

3.1.3 May

Indicates that the procedure is optional.

3.1.4 Will

Is used only to indicate the future, not a degree of requirement.

3.1.5 Can

Indicates a possibility or ability.

4 General Information

4.1 Nomenclature

Chemical names: Calcium carbide
Calcium dicarbide

Common names: Calcium carbide
Carbide

Chemical formulas: CaC_2 = Calcium carbide
 CaO = Calcium oxide, lime, quick lime
 Ca(OH)_2 = Calcium hydroxide, slaked lime, lime hydrate, carbide lime
 C_2H_2 = Acetylene