



# **CGA G-3—2023**

## **SULFUR DIOXIDE**

**SEVENTH EDITION**

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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. (CGA) in response to demand for information relating to the properties, transportation, storage, and handling of compressed gases.

## 2 Scope

The purpose of this publication is to provide information regarding the properties, manufacture, shipping, storage, handling, and use of sulfur dioxide. It also describes related regulatory requirements and safe practices in the United States and Canada. This information is intended to complement but not supplant national, state, provincial/territorial, municipal, and insurance company codes and requirements.

The information in this publication is intended for the use of sulfur dioxide shippers, carriers, distributors, repackagers, consumers, equipment designers or installers, safety administrators, and others desiring an introductory knowledge of the subject. Anyone requiring more detailed or specialized information should consult their sulfur dioxide supplier. See also the references listed in Section 16.

## 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.

### 3.2 Technical definitions

#### 3.2.1 ACME thread

Standard thread having a profile angle of 20 degrees and a flat crest, which is used on power screws.

#### 3.2.2 Adapter

Device or pipe fittings that allows for connection to different size, style, or misalignment of coupling.

#### 3.2.3 Butt joints

Joint between two members aligned approximately in the same plane.

#### 3.2.4 Cargo tank

Bulk packaging that:

- is a tank intended primarily for the carriage of liquids or gases and includes appurtenances, reinforcements, fittings, and closures;