



**CGA P-84—2019**  
**GUIDELINE FOR SAFE**  
**HANDLING OF LIQUID**  
**CONTAINERS ON WHEEL**  
**BASES**

**FIRST EDITION**

## PREFACE

As part of a program of harmonization of industry standards, the Compressed Gas Association (CGA) has published CGA P-84, *Guideline for the Safe Handling of Liquid Containers on Wheel Bases*, jointly produced by members of the International Harmonization Council.

This publication is intended as an international harmonized standard for the worldwide use and application of all members of the Asia Industrial Gases Association (AIGA), Compressed Gas Association (CGA), and Japan Industrial and Medical Gases Association (JIMGA). Each association's technical content is identical, except for regional regulatory requirements and minor changes in formatting and spelling.

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Work Item 17-081  
Safety and Health Committee

FIRST EDITION: 2019

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## 1 Scope and purpose

This guideline details the safe practices related to the movement and handling of liquid containers on wheel bases during transportation and delivery. These include guidelines on general container handling safety and liquid container movement.

The containers addressed in this guideline have been manufactured with permanently attached wheel bases. See Figure 1 for examples of typical liquid containers on these types of wheel bases.

This guideline does not address liquid containers that have been temporarily affixed onto a wheeled cart for movement, nor does it address the movement of liquid containers on temporarily attached wheel bases.



Container with a round base



Container with a square base

Figure 1—Examples of typical liquid containers on permanently attached wheel bases

## 2 Definitions

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

### 2.1 Publication terminology

#### 2.1.1 Shall

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

#### 2.1.2 Should

Indicates that a procedure is recommended.

#### 2.1.3 May

Indicates that the procedure is optional.

#### 2.1.4 Will

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

#### 2.1.5 Can

Indicates a possibility or ability.