This is a preview of "CGA P-1-2015". Click here to purchase the full version from the ANSI store.

Contents **Page**

1 Introduction 1

2 Scope 1

3 Definitions 1

4 Regulations and standards applicable to compressed gases in containers 5
4.1 Transportation regulating authorities 5
4.2 Container regulations 5
4.3 Container filling regulations 5
4.4 Regulating authorities of workplace safety and health 6

5 General safe handling rules for compressed gas containers 6
5.1 Personnel 6
5.2 Content identification 6
5.3 User responsibilities 6
5.4 General precautions 7
5.5 Valve protection caps and valve outlet caps and plugs 7
5.6 Safe handling of containers 8
5.7 Transfilling 8
5.8 Storing containers 8
5.9 Connecting a container and withdrawing its content 9
5.10 Transportation in passenger vehicles 11
5.11 Emergency response 11

6 Safe handling and storage rules for compressed gas by hazard class 12
6.1 Hazard class 12
6.2 Flammable gases 13
6.3 Asphyxiant gases (including inert) 15
6.4 Oxidizing gases 15
6.5 Corrosive and toxic gases 16
6.6 Gas mixtures 17
6.7 Cryogenic liquids 17

7 Precautions for tank cars, cargo, and portable tanks 18

8 Security issues 19
8.1 Facility security 19
8.2 Distribution security 20

9 References 20

10 Additional references 23

Appendix

Appendix A—Cylinder nesting (Normative) 25

Appendix Figures

Figure A-1—Properly nested cylinders 25
Figure A-2—Improperly nested cylinders 25