

Chapter Comm 43

APPENDIX

The material contained in this appendix is for clarification and general information only.

Physical Properties of Ammonia

Molecular symbol	NH ₃
Molecular weight	17.031
Boiling point at one atmosphere*	-28°F
Melting point one atmosphere*	-107.9°F
Critical temperature	271.4°F
Critical pressure	1657 psia
Latent heat at -28°F and one atmosphere*	589.3 Btu/lb
Relative density of vapor compared to dry air at 32°F and one atmosphere*	0.5970
Vapor density at -28°F and one atmosphere*	0.05555 lb/ft ³
Specific gravity of liquid at -28°F compared to water at 39.2°F	0.6819
Weight per gallon of liquid at -28°F	5.69 lbs/gallon
Liquid density at -28°F and one atmosphere	42.57 lbs/ft ³
Specific volume of vapor at 32°F and one atmosphere	20.78 ft ³ /lb
Flammable limits by volume in air at atmospheric pressure	16% to 25%
Ignition Temperature (in a standard quartz container)	1562°F
Specific Heat, Gas, at 59°F and one atmosphere*	
at constant pressure, C _p	0.5232 Btu/lb°F
at constant volume, C _v	0.3995 Btu/lb°F

*One atmosphere = 14.7 psia

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is essential for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent data collection procedures and the use of advanced analytical techniques to derive meaningful insights from the data.

3. The third part of the document focuses on the role of technology in data management and analysis. It discusses how modern software solutions can streamline data collection, storage, and processing, thereby improving efficiency and reducing the risk of errors.

4. The fourth part of the document addresses the challenges associated with data security and privacy. It stresses the importance of implementing robust security measures to protect sensitive information and ensure compliance with relevant regulations.

5. The fifth part of the document concludes by summarizing the key findings and recommendations. It reiterates the importance of a data-driven approach and encourages the organization to continue investing in data management and analysis capabilities to drive growth and innovation.