

Propylene, Safety Update and Regulations:

This Safety Bulletin is intended to make users aware of the latest regulations and guidelines. It is suggested this document be reviewed with appropriate personnel involved with LP Gases.

We will be providing monthly bulletins and updated regulations on the following specific topics: Bulk Storage and Handling of LP Gases, Fuel Gas Regulators, Flashback Arrestors, Welding Hose and Safe Operating Recommendations for Propylene Fuel Gas.

Bulletin 2. Bulk Storage and handling of liquefied petroleum gases, Regulations [OSHA 1910.110](#):

NFPA 58 Standards for storage and handling, NFPA 70 National Electrical Code Class 1, Group D, Division 2.

Bulletin 3. OSHA - Fuel Gas Regulators [OSHA 1910.253\(e\)\(6\)\(i\)](#) – Oxygen-fuel gas welding and cutting :

Pressure-reducing regulators shall be used only for the gas and pressure for which they are intended. OSHA Oxygen Manifolds. [OSHA 1910.253\(c\)\(2\)\(ii\)](#) Oxygen manifolds shall be separated from fuel-gas cylinders or combustible materials (especially oil or grease), a minimum distance of 20 feet (6.1 m) or by a noncombustible barrier at least 5 feet (1.5 m) high having a fire-resistance rating of at least one hour or line of site ensure reducing regulators shall be used only for the gas and pressures for which they are intended. The regulator inlet connections shall comply with Regulator Connection Standards, 1958, Compressed Gas Association.

Bulletin 4. OSHA - Flashback Arrestors: [OSHA 1910.253\(e\)\(3\)\(ii\)\(C\)\(3\)](#)

Flash-back protection shall be provided by an approved device that will prevent flame from passing into the fuel gas system.

Bulletin 5. CGA - Welding Hose [RMA/CGA IP-7](#) : Due to safety concerns, the RMA/CGA IP-7 organizations changed the standard to ... If you are using a fuel gas other than acetylene, you must use Grade T hose.

Bulletin 6. Safe Operating recommendations for Propylene Fuel Gas: Welding, Cutting, Brazing, Gouging and Heating.

Additional regulation updates

NFPA - National Fire Protection Association: NFPA 58: A preview of proposed changes for 2020 (visit / [Community.nfpa.org](#)). These changes are only some, but not all, of the upcoming revisions to the 2020 edition of NFPA 58. For a more detailed list, visit [nfpa.org/58 news](#).

NFPA 51B, Standard for Fire Prevention During Welding, Cutting, and Other Hot Work: See ‘HOT WORK SAFETY fact sheet’ visit / [nfpa 51b hot work](#). Hot work can be dangerous, especially when combustible materials are in the area. NFPA 51B, *Standard for Fire Prevention During Welding, Cutting, and Other Hot Work* helps you reduce the risks associated with hot work projects. Requirements cover welding, heat treating, grinding, and other applications likely to produce sparks or flames.

CGA E-12 New release: Standard for Safety Devices Used in Gas Welding, Cutting, and Allied Processes. Released: April 11, 2019 (2nd Edition) This publication provides specifications, definitions, and performance tests for hose line safety devices for systems and equipment using fuel gases and oxygen or compressed air for welding, cutting, and allied processes. Gives users an overview of the available types of safety devices and their function. CGA E-12 can be purchased online: [CGA E-12 : Standard for Safety Devices Used in Gas Welding, Cutting, and Allied Processes](#).

“The safety information included in the Gas Innovations Safety Bulletin references publications by **the National Fire Protection Agency (NFPA), The Compressed Gas Association (CGA) and The Occupational Safety and Health Administration (OSHA)** Due to the volume of this information, Gas Innovations has not included all safety precautions in these bulletins, and suggests the user consults the aforementioned sources.”