

SAFETY ALERT

ACETYLENE CYLINDERS MISSING REQUIRED MARKINGS

Acetylene is classified by the U.S. Department of Transportation (DOT) as a flammable gas, and as such, DOT has regulations to ensure the safe and effective transport of acetylene.

Recently, several acetylene fill plants across the United States have received motor car (MC) size acetylene cylinders for recharging that did not have the required DOT markings. The required markings indicate that the design and construction of the acetylene cylinder meets all of the necessary performance standards, and that required testing has been successfully conducted. See [49 CFR §178.35](#) for details on required markings [1].

We recommend that all companies that operate acetylene charging plants and/or requalification facilities alert and train their employees about this problem. Any cylinders without all of the required DOT markings, as stipulated in 49 CFR §178.35, pose an unacceptable safety risk. According to 49 CFR and CGA G-1, *Acetylene*, these cylinders *must not be filled* and shall be removed from service [1, 2]. The discovery of these cylinders should be reported to the DOT. A copy of this safety alert should be posted in acetylene fill plants and acetylene requalification areas.

For more information, please see CGA G-1, as well as the appropriate DOT regulations [2, 1].

References

Unless otherwise specified, the latest edition shall apply.

[1] *Code of Federal Regulations*, Title 49 (Transportation) Part 178, Specifications for Packagings, Subpart C, U.S. Government Printing Office. www.gpo.gov

[2] CGA G-1, *Acetylene*, Compressed Gas Association, Inc. www.cganet.com

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Acetylene Committee

NOTE—No technical information has been changed from the 2012 edition. This reaffirmed edition may include minor editorial changes.

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