



AFC Division B Article 4.1.2.1. Classification

(See Appendix A.)

1) For the purposes of this Part, *flammable liquids* and *combustible liquids* shall be classified in conformance with Sentences (2) and (3).

2) *Flammable liquids* shall be Class I liquids, and shall be subdivided into:

a) Class IA liquids, which shall include those having a *flash point* below 22.8°C and a boiling point below 37.8°C,

b) Class IB liquids, which shall include those having a *flash point* below 22.8°C and a boiling point at or above 37.8°C, and

c) Class IC liquids, which shall include those having a *flash point* at or above 22.8°C and below 37.8°C.

3) *Combustible liquids* shall be Class II or Class IIIA liquids, and shall be subdivided into:

a) Class II liquids, which shall include those having a *flash point* at or above 37.8°C and below 60°C, and

b) Class IIIA liquids, which shall include those having a *flash point* at or above 60°C and below 93.3°C (see Appendix A).

Appendix A-4.1.2.1.

The classification system for flammable liquids used by the “Transportation of Dangerous Goods Regulations” (TDGR) differs from the NFPA classification system used in the AFC. In the AFC, only liquids with a flash point below 37.8°C are referred to as “flammable liquids”, whereas liquids having flash points at or above 37.8°C are “combustible liquids”. In contrast, the TDGR, which regulate “flammable liquids” as Class 3 Dangerous Goods, define “flammable liquids” as liquids having a flash point below 60.5°C. Therefore, the TDGR term “flammable liquids” includes Class II liquids (with a maximum flash point of 60°C), which are referred to as “combustible liquids” in the AFC terminology. The TDGR do not include Class IIIA liquids that have a flash point above 60°C.

For the purpose of comparing the TDGR classification system with the AFC system, the differences between 61°C (TDGR) and 60°C (AFC) may be ignored. The results of closed-cup flash point tests may vary by as much as 1°C, so nothing is gained by unnecessary precision.