

CC: W.C. Creel, Commissioner  
R.J. Dunnagan, Deputy Commissioner

NORTH CAROLINA DEPARTMENT OF LABOR  
OCCUPATIONAL SAFETY AND HEALTH DIVISION  
RALEIGH, NORTH CAROLINA  
JULY 29, 1975

Standards Notice - 18

TO: All Consultants, Supervisors, and Safety Officers

SUBJECT: 29 CFR 1910.262 (J)

A. 29 CFR 1910.106(d)(2)(iii)

Size. Flammable and combustible liquid containers shall be in accordance with Table H-12, except that glass or plastic containers of no more than 1-gallon capacity may be used for a Class IA or IB flammable liquid if:

1. Such liquid either would be rendered unfit for its intended use by contact with metal or would excessively corrode a metal container so as to create a leakage hazard; **and**
2. The user's process either would require more than 1 pint of a Class IA liquid or more than 1 quart of a Class 1B liquid of a single assay lot to be used at one time, or would require the maintenance of an analytical standard liquid of a quality which is not met by the specified standards of liquids available, and the quantity of the analytical standard liquid required to be used in any one control process exceeds one-sixteenth the capacity of the container allowed under Table H-12 for the class of liquid; **or**
3. The containers are intended for direct export outside the United States.

Table H-12 -- Maximum Allowable Size of Containers and Portable Tanks

<u>Container Type</u>	<u>Flammable Liquids</u>	<u>Combustible Liquids</u>			
	<u>Class IA</u>	<u>Class IB</u>	<u>Class IC</u>	<u>Class II</u>	<u>Class III</u>
Glass or approved plastic	1 pt	1 qt	1 gal	1 gal	1 gal
Metal (other than DOT drums)	1 gal	5 gal	5 gal	5 gal	5 gal
Safety cans	2 gal	5 gal	5 gal	5 gal	5 gal
Metal drums (DOT spec.)	60 gal	60 gal	60 gal	60 gal	60 gal

Approved portable tanks	660 gal				
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**B. Discussion**

Underwriters' Laboratories, Inc. has approved (listed) a plastic safety can. The cans vary in capacity from one pint to five gallons, and have printed on the side of the container the materials approved to be stored in the container.

Factory Mutual Engineering Corporation has listed a glass fiber reinforced plastic container suitable for bulk storage of gasoline, fuel oil and diesel fuel. No containers have been listed by Factory Mutual for use with smaller quantities of flammable liquids, such as those sizes listed in Table H-12.

**C. Interpretation**

Since plastic containers, larger than the sizes listed in Table H-12, have been approved for the storage of flammable and combustible liquids, we will not issue citations to firm