

Forest Service Supplemental Standard for Containers and Portable Tanks Transport

a. Scope and Application

1. Supplemental Standard to: 29 Code of Federal Regulation, Part 1910.106(d)(2).
2. General. Aluminum fuel bottles are uniquely used by fire fighting crews and other field crews to transport fuel for chain saws. The bottles are approximately one (1) liter in size, convenient to carry, and allow crews to evenly distribute the weight of each work shift's fuel supply among all the crewmembers. Fire crews typically hike several miles in rugged terrain during a work shift and crew members carrying fuel in traditional bulky/heavy containers, may experience additional fatigue and increased risk of injury.
2. This standard applies to the aluminum fuel bottles, commonly referred to as *Sigg* bottles, used by the Forest Service, United States Department of Agriculture, as defined below.
3. Specific. This standard sets forth minimum fundamental requirements essential to providing a safe means of transporting fuel in small quantities for the exclusive use of fire fighting crews and other field crews for chain saws operations. Nothing in this standard shall be construed to prohibit a better type of fuel transport or otherwise safer conditions than the minimum requirements specified herein.
4. Equivalent Protection. The use of supplemental arrangements, developed by the Forest Service and the Department of Interior, may be permitted by the authority having jurisdiction when it is shown that these features provide a level of safety to life equivalent to that required in this standard or, where this standard is silent on an issue, by other standards or codes.

b. Definition

Aluminum fuel bottle: For use in transporting/carrying chain saw mix and other petroleum or alcohol-based fuels. Measures 8.5 centimeters in diameter and 26 centimeters long and will fit in fire fighter's canteen cases. Listed by the General Services Administration (GSA) as National Stock Number (NSN): 7240-01-351-2133.

c. General Provisions

1. Prior to each use, bottles shall be inspected for: lid condition and functionality; cuts, scratches, and abrasion damage; impact damage; fire and excessive heat damage; chemical damage; and weathering damage. Bottles found free of the damages listed previously are considered in good working condition.

2. Bottles will not be filled completely, thus allowing room for the fuel to expand in lieu of venting, and limiting their use to specific functions.

a. Do not fill the bottle beyond the manufacturer's fill line.

b. If the bottle does not have a fill line, leave two (2) inches below the top of the bottle to allow for fuel expansion.

3. Bottles will be used strictly for the transporting/carrying of fuel during unique operations such as wildland fire fighting and are not to be used for storage or in any other capacity.

4. Bottles must be red and appropriately marked as FUEL BOTTLE.

a. Bottles marked FUEL BOTTLE by the manufacturer do not require additional marking.

b. Do not use aluminum fuel bottles for any other purpose.

4. After each use, the bottles shall be emptied of unused fuel appropriately and stored in accordance with applicable regulations.

5. Bottles found to be unserviceable and/or damaged shall not be used and shall be discarded appropriately.