SAFETY TRANSPORT CANS AND METAL AND PLASTIC JERRICANS

Safety Transport Cans and Metal and Plastic Jerricans—Gasoline, mixed gas, and drip-torch fuel may be transported in safety transport cans (figure 44), military-style metal jerricans (figure 45), and plastic jerricans (figure 46).

A redesigned jerrican style safety transport can is available from Safeway Products Inc. This new can is identified by Safeway Products as the Safety Transport LM can. These Safety Transport LM cans have the following features:

- A relocated pour handle to make use of the can easier
- A linkage between the pour handle and the back fill port lid that vents the can during pouring and allows fuel to flow faster (figure 47)

- A quick disconnect flexible pour spout and a clip on the top of the can to store the spout
- A stiffening rib to make the can less prone to damage due to changes in temperature
- A carrying handle spanning the top of the metal collar

See appendix D for ordering information.

Metal jerricans used by Department of the Interior agencies must be equipped with an approved self-closing lid that vents (figure 48). An example of such a lid is Justrite part number 11192 (see appendix D for ordering information).

Plastic jerricans shall be phased out by June 2012.
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Figure 48—The Department of the Interior requires a self-closing lid for metal jerricans.

Figure 49—A UN 3A1 marking.

Figure 50—Safety transport cans showing the colors required by OSHA and the proper markings.

OSHA Color Requirements—
- Gasoline, mixed gas, and drip-torch fuel in metal jerricans or safety transport cans:
  —The container shall be red with a yellow band around it or the markings shall be stenciled or painted on the container in yellow (figure 50).

OSHA Color Requirements—
- Diesel:
  —No color requirements.

Labeling—A diamond-shaped FLAMMABLE LIQUID label (figure 51) shall be on each can.
Marking—(See page 16 for additional information.)

- Gasoline or mixed gas:
  — GASOLINE UN1203 (figures 52a and 52b).

- Drip-torch fuel:
  — FLAMMABLE LIQUIDS N.O.S. (DIESEL GASOLINE MIXTURE) UN1993 (figures 53a and 53b).
  — In addition, the container may also be marked with the words DRIP TORCH FUEL to help employees identify the contents.

- Diesel:
  — DIESEL.
  — Markings must be at least $\frac{3}{16}$ inch high by $\frac{1}{8}$ inch wide and must:
    — Be permanent.
    — Contrast sharply with the background color of the can.
    — Not be obscured by any labels or attachments.

Placarding—(See page 17 for additional information.)

- Gasoline and mixed gas:
  — A FLAMMABLE placard with UN1203 identification number is required on all four sides of the vehicle or trailer if 1,001 pounds or more of hazardous materials are being transported.
  — Placarding is required to transport 21 or more full safety transport cans, 22 or more full metal jerricans, or 24 or more full plastic jerricans, assuming that no other hazardous materials are being transported.

- Drip-torch fuel:
  — A FLAMMABLE placard with the UN1993 identification number (figure 54) is required on all four sides of the vehicle or trailer if 1,001 pounds or more of hazardous materials are being transported.
  — This requirement must be met if 21 or more full safety transport cans, 22 or more full metal jerricans, or 24 or more full plastic jerricans are being transported.

- Diesel:
  — Placarding is not required.

Inspection Criteria—Inspect each container before it is transported to make sure that all lid gaskets, pouring valve gaskets, and seals are not cut, cracked, or weather checked. Verify that safety can linkages (see figure 47) operate without binding and that the lids are not deformed. Check the body of the can to make sure there is no damage that could allow it to leak. Replace or repair cans that do not meet these criteria.
Part Two

SAFETY TRANSPORT CANS AND METAL AND PLASTIC JERRICANS

Container Capacity Restrictions—Do not fill jerricans or safety transport cans beyond the fill line (figure 55) or 90 percent of capacity to allow fuel to expand and to reduce the possibility that the container might leak.

Figure 55—The fill line on a safety transport can.

Securing Containers for Transport—
• If a jerrican is equipped with a spillproof (CARB-compliant) spout, the spout must be replaced with a bung before the jerrican is transported.
• Make sure that the can is tightly closed and does not leak. Do not transport containers that leak.
• Wipe any fuel from the outside of the can.
• Secure the containers so they will not fall over or move during transport by placing them in a crate, rack, or box or by restraining them in some other way (figure 56). If the containers are in a closed box, the box shall be clearly marked with orientation arrows pointing up and the applicable marking, such as GASOLINE UN1203. Secure each crate, rack, or box so it cannot move or tip over while it is being transported.
• Secure other loose items in the back of the vehicle to prevent them from damaging the cans.

Special Driver’s License Requirements—
Gasoline, mixed gas, and drip-torch fuel:
• If the total weight of all hazardous materials transported is less than 1,001 pounds, and no container is larger than 119 gallons:
  —No special licensing is required.
  —Up to 20 full safety transport cans, 21 full metal jerricans, or 23 plastic jerricans can be transported, assuming that no other hazardous materials are being transported.
• If the total weight of all hazardous materials being transported is 1,001 pounds or more or any container is larger than 119 gallons:
  —A commercial driver’s license with hazardous materials endorsement is required.
  —This licensing requirement must be met if 21 or more full safety transport cans, 22 or more metal jerricans, or 24 or more plastic jerricans are being transported.

Diesel:
  • No special licensing is required.

Training—(See page 23 for additional information.)
Gasoline, mixed gas, and drip-torch fuel:
• If the total weight of all hazardous materials being transported is less than 440 pounds, and no fuel container is larger than 8 gallons, the following training is required:
  —OSHA Hazard Communication training.
  —DOT Materials of Trade training.
• If the total weight of all hazardous materials being transported is more than 440 pounds or any container is larger than 8 gallons, the following training is required:
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—OSHA Hazard Communication training.
—DOT general awareness/familiarization, function-specific, safety, security awareness, and driver training.
—This requirement must be met if 10 or more full safety transport cans or metal jerricans or 11 plastic jerricans are being transported.

Diesel:
• OSHA Hazard Communication training.

Shipping Papers and the Emergency Response Guidebook—(See page 18 for additional information.)
Gasoline, mixed gas, and drip-torch fuel:
• If the total weight of all hazardous materials being transported is 440 pounds or less and no fuel container is larger than 8 gallons:
  —None required.
• Up to 9 full safety transport cans or metal jerricans or 10 plastic jerricans can be transported, assuming that no other hazardous materials are being transported.
• If the total weight of all hazardous materials being transported is more than 440 pounds or any container is larger than 8 gallons:
  —Shipping papers and copy of the Emergency Response Guidebook are required.
  —This requirement must be met if 10 or more full safety transport cans or metal jerricans or 11 plastic jerricans are being transported, even if no other hazardous materials are being transported.
• Diesel:
  —None required.

Fire Extinguishers—
• If the total weight of hazardous materials being transported is less than 1,001 pounds:
  —At least one 5–B:C or two 4–B:C fire extinguishers are required.
  —Up to 20 jerricans can be transported, assuming that no other hazardous materials are being transported.
• If all the hazardous materials being transported weigh 1,001 pounds or more:
  —At least one 10–B:C fire extinguisher is required.
  —This requirement must be met if 21 or more jerricans are being transported, even if no other hazardous materials are being transported.