

Kansas Administrative Regulations

Kansas Department of Agriculture

Article 10.—Anhydrous Ammonia

4-10-4b. Markings on containers and systems.

(a) Except as provided by K.A.R. 4-10-4a(b) and 4-10-4b(b), each container shall have a data plate, or manufacturer's equivalent stamping, that is permanently attached to the container in a location that is both legible and readily accessible for inspection.

(b) A mobile container that does not have a legible data plate or equivalent stamping may be allowed for ammonia use only if the container is properly tested, registered, and marked under USDOT exemption # DOT-SP13554.

(c) Each shutoff valve within a system shall be identified to show whether the valve is in liquid or vapor service. The method of identification may be by color code or by use of the word "vapor" or "liquid" placed within 12 inches of the valve by means of a stencil, tag, or decal.

(d) All container surfaces shall be maintained to avoid deterioration. Surfaces that require paint shall be painted white.

(e) Each permanent storage container or group of permanent storage containers shall be marked with the following:

(1) Letters at least four inches high, on at least two sides, with the words "CAUTION AMMONIA" or "ANHYDROUS AMMONIA," in a color that contrasts with the color of the container; and

(2) a national fire protection association diamond for anhydrous ammonia placed in a location that would be readily visible to emergency responders.

(f) Each mobile container shall be marked with the following, using a color that contrasts with the color of the container and letters at least two inches high:

(1) The words "ANHYDROUS AMMONIA" or "Anhydrous Ammonia" on both sides and on the rear of the container; and

(2) the words "INHALATION HAZARD" or "Inhalation Hazard" on two opposing sides of the container.

(g) In addition to the markings required in subsection (f), the following information shall appear on each implement of husbandry:

- (1) The owner's name;
- (2) the address of the owner's place of business;
- (3) a telephone number to be contacted in case of an emergency;
- (4) an alphabetical or numerical identification symbol; and
- (5) a decal containing the following information:

(A) "CAUTION ANHYDROUS AMMONIA (UNDER PRESSURE) READ CAREFULLY";

(B) "Keep away from pop-off valve marked ↑. This is a safety device and shall not be tampered with or adjusted";

(C) "Stand upwind when working around equipment";

(D) "Wear goggles and rubber gloves when transferring product and bleeding hoses";

(E) "Do not fill tank in excess of 85% full";

(F) "Never place any part of body in line with valve or hose openings. Use extreme care in handling hoses. Never lift a hose by the valve wheel";

(G) "Slowly bleed hoses after transferring product";

(H) "Close valves firmly but do not wrench";

(I) "Do not permit children near this equipment";

(J) "Park equipment away from buildings or any possible fire hazards. Never allow tanks to be subjected to extreme heat";

(K) "Do not attempt any repairs of this equipment. In event of any failure, call your dealer immediately"; and

(L) "Do not operate this equipment until you have received instructions from your dealer."

(Authorized by and implementing K.S.A. 2-1212; effective March 12, 2010.)

***** Authenticated Kansas Administrative Regulation *****