

OHIO ADMINISTRATIVE CODE 1301:7-7-31

CORROSIVE MATERIALS

(A) SECTION 3101 GENERAL

(1) 3101.1 Scope. The storage and use of corrosive materials shall be in accordance with this rule. Compressed gases shall also comply with rule 1301:7-7-30 of the Administrative Code.

Exceptions:

1. Display and storage in Group M and storage in Group S occupancies complying with paragraph (C)(11)(2703.11) of rule 1301:7-7-27 of the Administrative Code.
2. Stationary lead-acid battery systems in accordance with paragraph (H)(608) of rule 1301:7-7-06 of the Administrative Code.
3. This rule shall not apply to R-717 (ammonia) where used as a refrigerant in a refrigeration system (see paragraph (F)(606) of rule 1301:7-7-06 of the Administrative Code).

(2) 3101.2 Permits. Permits shall be required as set forth in rule 1301:7-7-01 of the Administrative Code.

(B) SECTION 3102 DEFINITIONS

(1) 3102.1 Definition. The following word and term shall, for the purposes of this rule and as used elsewhere in this code, have the meaning shown herein.

“Corrosive.” A chemical that causes visible destruction of, or irreversible alterations in, living tissue by chemical action at the point of contact. A chemical shall be considered corrosive if, when tested on the intact skin of albino rabbits by the method described in DOTn 49 CFR 173.137 as listed in rule 1301:7-7-45 of the Administrative Code, such chemical destroys or changes irreversibly the structure of the tissue at the point of contact following an exposure period of 4 hours. This term does not refer to action on inanimate surfaces.

(C) SECTION 3103 GENERAL REQUIREMENTS

(1) 3103.1 Quantities not exceeding the maximum allowable quantity per control area. The storage and use of corrosive materials in amounts not exceeding the maximum allowable quantity per control area indicated in paragraph (C)(1)(2703.1) of rule 1301:7-7-27 of the Administrative Code shall be in accordance with paragraphs (A)(2701) and (C)(2703) of rule 1301:7-7-27 of the Administrative Code and paragraph (A)(3101) of this rule.

(2) 3103.2 Quantities exceeding the maximum allowable quantity per control area. The storage and use of corrosive materials in amounts exceeding the maximum allowable quantity per control area indicated in paragraph (C)(1)(2703.1) of

rule 1301:7-7-27 of the Administrative Code shall be in accordance with this rule and rule 1301:7-7-27 of the Administrative Code.

(D) SECTION 3104 STORAGE

(1) 3104.1 Indoor storage. Indoor storage of corrosive materials in amounts exceeding the maximum allowable quantity per control area indicated in Table 2703.1.1(2) of rule 1301:7-7-27 of the Administrative Code, shall be in accordance with paragraphs (A)(2701), (C)(2703) and (D)(2704) of rule 1301:7-7-27 of the Administrative Code and this rule.

(a) 3104.1.1 Liquid-tight floor. In addition to the provisions of paragraph (D)(12)(2704.12) of rule 1301:7-7-27 of the Administrative Code, floors in storage areas for corrosive liquids shall be of liquid-tight construction.

(2) 3104.2 Outdoor storage. Outdoor storage of corrosive materials in amounts exceeding the maximum allowable quantity per control area indicated in Table 2703.1.1(4) of rule 1301:7-7-27 of the Administrative Code shall be in accordance with paragraphs (A)(2701), (C)(2703) and (D)(2704) of rule 1301:7-7-27 of the Administrative Code and this rule.

(a) 3104.2.1 Above-ground outside storage tanks. Above-ground outside storage tanks exceeding an aggregate quantity of 1,000 gallons (3785 L) of corrosive liquids shall be provided with secondary containment in accordance with paragraph (D)(2)(b)(2704.2.2) of rule 1301:7-7-27 of the Administrative Code.

(b) 3104.2.2 Distance from storage to exposures. Outdoor storage of corrosive materials shall not be within 20 feet (6096 mm) of buildings not associated with the manufacturing or distribution of such materials, lot lines, public streets, public alleys, public ways or means of egress. A 2-hour fire barrier wall without openings or penetrations, and extending not less than 30 inches (762 mm) above and to the sides of the storage area, is allowed in lieu of such distance. The wall shall either be an independent structure, or the exterior wall of the building adjacent to the storage area.

(E) SECTION 3105 USE

(1) 3105.1 Indoor use. The indoor use of corrosive materials in amounts exceeding the maximum allowable quantity per control area indicated in Table 2703.1.1(2) of rule 1301:7-7-27 of the Administrative Code shall be in accordance with paragraphs (A)(2701), (C)(2703) and (E)(2705) of rule 1301:7-7-27 of the Administrative Code and this rule.

(a) 3105.1.1 Liquid transfer. Corrosive liquids shall be transferred in accordance with paragraph (E)(1)(j)(2705.1.10) of rule 1301:7-7-27 of the Administrative Code.

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(b) 3105.1.2 Ventilation. When corrosive materials are dispensed or used, mechanical exhaust ventilation in accordance with *paragraph (E)(2)(a)(i)(2705.2.1.1) of rule 1301:7-7-27 of the Administrative Code* shall be provided.

(2) 3105.2 Outdoor use. The outdoor use of corrosive materials in amounts exceeding the maximum allowable quantity per control area indicated in *Table 2703.1.1(4) of rule 1301:7-7-27 of the Administrative Code* shall be in accordance with *paragraphs (A)(2701), (C)(2703) and (E)(2705) of rule 1301:7-7-27 of the Administrative Code* and this rule.

(a) 3105.2.1 Distance from use to exposures. Outdoor use of corrosive materials shall be located in accordance with *paragraph (D)(2)(b)(3104.2.2) of this rule*.

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