



Ohio Administrative Code Rule 1301:7-7-54 Corrosive materials.

Effective: December 15, 2017

(A) Section 5401 General

(1) 5401.1 Scope. The storage and use of corrosive materials shall be in accordance with this rule. Compressed gases shall also comply with rule 1301:7-7-53 of the Administrative Code.

Exceptions:

1. Display and storage in Group M and storage in Group S occupancies complying with paragraph (C)(11)(5003.11) of rule 1301:7-7-50 of the Administrative Code.
2. Stationary storage 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) 5401.2 Permits. Permits shall be required as set forth in rule 1301:7-7-01 of the Administrative Code.

(B) Section 5402 Definitions

(1) 5402.1 Definition. The following term is defined in rule 1301:7-7-02 of the Administrative Code.

"Corrosive."

(C) Section 5403 General requirements

(1) 5403.1 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)(5003.1) of rule 1301:7-7-50 of the Administrative Code shall be in accordance with paragraphs (A)(5001) and (C)(5003) of rule 1301:7-7-50 of the Administrative Code and paragraph (A)(5401) of this rule.

(2) 5403.2 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)(5003.1) of rule 1301:7-7-50 of the Administrative Code shall be in accordance with this rule and rule 1301:7-7-50 of the Administrative Code.

(D) Section 5404 Storage

(1) 5404.1 Indoor storage. Indoor storage of corrosive materials in amounts exceeding the maximum allowable quantity per control area indicated in Table 5003.1.1(2) of rule 1301:7-7-50 of the Administrative Code, shall be in accordance with paragraphs (A)(5001), (C)(5003) and (D)(5004) of rule 1301:7-7-50 of the Administrative Code and this rule.

(a) 5404.1.1 Liquid-tight floor. In addition to the provisions of paragraph (D)(12)(5004.12) of rule 1301:7-7-50 of the Administrative Code, floors in storage areas for corrosive liquids shall be of liquid-tight construction.

(2) 5404.2 Outdoor storage. Outdoor storage of corrosive materials in amounts exceeding the maximum allowable quantity per control area indicated in Table 5003.1.1(4) of rule 1301:7-7-50 of the Administrative Code shall be in accordance with paragraphs (A)(5001), (C)(5003) and (D)(5004) of rule 1301:7-7-50 of the Administrative Code and this rule.

(a) 5404.2.1 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)(5004.2.2) of rule 1301:7-7-50 of the Administrative Code.

(b) 5404.2.2 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 5405 Use

(1) 5405.1 Indoor use. The indoor use of corrosive materials in amounts exceeding the maximum allowable quantity per control area indicated in Table 5003.1.1(2) of rule 1301:7-7-50 of the Administrative Code shall be in accordance with paragraphs (A)(5001), (C)(5003) and (E)(5005) of rule 1301:7-7-50 of the Administrative Code and this rule.

(a) 5405.1.1 Liquid transfer. Corrosive liquids shall be transferred in accordance with paragraph (E)(1)(j)(5005.1.10) of rule 1301:7-7-50 of the Administrative Code.

(b) 5405.1.2 Ventilation. Where corrosive materials are dispensed or used, mechanical exhaust ventilation in accordance with paragraph (E)(2)(a)(i)(5005.2.1.1) of rule 1301:7-7-50 of the Administrative Code shall be provided.

(2) 5405.2 Outdoor use. The outdoor use of corrosive materials in amounts exceeding the maximum allowable quantity per control area indicated in Table 5003.1.1(4) of rule 1301:7-7-50 of the Administrative Code shall be in accordance with paragraphs (A)(5001), (C)(5003) and (E)(5005) of rule 1301:7-7-50 of the Administrative Code and this rule.

(a) 5405.2.1 Distance from use to exposures. Outdoor use of corrosive materials shall be located in accordance with paragraph (D)(2)(b)(5404.2.2) of this rule.