



**Pipeline and Hazardous  
Materials Safety Administration**

**APPROVAL CA2004040023**

**(FIFTH REVISION)**

**ISSUED BY THE COMPETENT AUTHORITY OF THE UNITED STATES**

**EXPIRATION DATE: August 31, 2019**

1. **APPROVAL HOLDER:** Alloy Products Corp.  
Waukesha, WI
2. **REGULATORY AUTHORITY:**
  - a. 49 CFR § 178.601(e); and
  - b. 49 CFR § 178.601(k)(2) - Number of test samples, packagings other than stainless steel drums.
3. **SYNOPSIS:** Alloy Products Corp. is authorized to perform or have performed design qualification testing and periodic retesting on certain UN 3A1 stainless steel jerricans with a reduced number of test samples. Additionally, Alloy Products Corp. is authorized to perform or have performed periodic retesting on certain UN 1A1 and UN 1A2 stainless steel drums and UN 3A1 stainless steel jerricans that have been excluded from production for a period of more than 12 months (i.e., the periodic retest for single packagings at least once every 12 months as required by § 178.601(e) is waived) provided that prior to re-entering production, the packagings are tested in accordance with the terms of this approval. The most recent revision supersedes all previous revisions.
4. **BASIS:** This approval is issued in response to Alloy Products Corp.'s renewal application dated February 28, 2014 and additional information dated June 25, 2014.
5. **PERIOD OF VALIDITY AND CONDITIONS OF APPROVAL:** This approval does not provide relief from any requirement of the Hazardous Materials Regulations except as stated

herein. This approval is valid until the posted expiration date or unless suspended or terminated by the Associate Administrator for Hazardous Materials Safety.

- a. Approved Material(s): Only the following material(s) may be transported in packagings authorized under the terms of this approval.

<b>Hazardous Materials Description</b>			
<b>Proper Shipping Name</b>	<b>Hazard Class/ Division</b>	<b>Identification Number</b>	<b>Packing Group</b>
All materials authorized for transportation in UN 1A1, UN 1A2, and UN 3A1 stainless steel single packagings	As appropriate	As appropriate	As appropriate

- b. Packaging Requirements:

- (1) Only the following packaging "families" as specified in the approval renewal application submitted February 28, 2014 and additional information dated June 25, 2014 and on file with the Office of Hazardous Materials Approvals and Permits Division (OHMSAPD) may be tested as specified in paragraph 5.c. below:
  - (i) UN 1A1 stainless steel drums designated as 9" tank assemblies, 12" tank assemblies, 18" tank assemblies, and 24" tank assemblies;
  - (ii) UN 1A2 stainless steel drums designated as 4.5" tank assemblies; and
  - (iii) UN 3A1 stainless steel jerricans (dimensions: 4 ¼" x 16 ½").
- (2) The packagings identified in paragraph 5.b.(1) above covered under the terms of this approval must meet all requirements for a UN 1A1, a UN 1A2, or a UN 3A1 stainless steel drum or stainless steel jerrican, as applicable, in subpart L of part 178.

c. Testing Requirements:

- (1) For design qualification testing, the packagings identified in paragraphs 5.b.(1)(i) and 5.b.(1)(ii) above must be tested at the appropriate Packing Group performance level in accordance with subpart M of part 178.
- (2) For design qualification testing, the packagings identified in paragraph 5.b.(1)(iii) above must be tested in accordance with subpart M of part 178 by subjecting a reduced number of test samples (three) to the tests in paragraph 5.c.(2)(i) through 5.c.(2)(iv) below. Each of the three samples must be subjected to the following sequence of tests:
  - (i) The stacking test in § 178.606;
  - (ii) The leakproofness test in § 178.604;
  - (iii) The hydrostatic pressure test in § 178.605;  
and
  - (iv) The drop test in § 178.603 (except for the requirement to use six test samples) in accordance with the following:
    - (A) For the first drop test, the test sample must strike the target diagonally on the top chime or if the packaging has no chime, on a top circumferential seam or edge.
    - (B) For the second drop test, the test sample must strike the target flat on the side.
    - (C) Both drop tests may be conducted on the same sample.
    - (D) If the second drop test is performed on separate test samples, three new test samples must be used.

- (E) If three new test samples are used for the second drop test, the three new test samples are not required to be subjected to the tests in paragraphs 5.c.(2)(i) through 5.c.(2)(iii) above.
- (3) For periodic retesting, the packagings identified in paragraphs 5.b.(1)(i) and 5.b.(1)(ii) above must be tested at the appropriate Packing Group performance level in accordance with subpart M of part 178. See paragraph 5.c.(5) below for packagings excluded from production for a period of more than 12 months.
- (4) For periodic retesting, the packagings identified in paragraph 5.b.(1)(iii) above must be tested at least once every 12 months (see paragraph 5.c.(5) below for packagings excluded from production for a period of more than 12 months) at the appropriate Packing Group performance level in accordance with subpart M of part 178 by subjecting one test sample to the sequence of tests in paragraphs 5.c.(2)(i) through 5.c.(2)(iv) above. Both drop tests may be conducted on the same sample. If the second drop test is performed on a separate test sample, one new test sample must be used. If one new test sample is used for the second drop test, the one new test sample is not required to be subjected to the tests in paragraphs 5.c.(2)(i) through 5.c.(2)(iii) above.
- (5) Packagings identified in paragraph 5.b. above that are excluded from production for a period of more than 12 months are not required to be periodically retested at least once every 12 months (i.e., the periodic retest for single packagings at least once every 12 months as required by § 178.601(e) is waived). Prior to re-entering production, the packagings identified in paragraph 5.b. above must be tested in accordance with paragraphs 5.c.(3) or 5.c.(4) above, as applicable.

d. Marking Requirements:

- (1) Each packaging covered under the terms of this approval must be marked in accordance with § 178.503.
- (2) Packagings covered under the terms of this approvals with a capacity greater than 100 liters may have the bottom markings required by § 178.503(a)(10) on the packaging skirt in lieu of the bottom of the packaging.

6. **MODES OF TRANSPORTATION AUTHORIZED:** As authorized by the Hazardous Materials Regulations for the hazardous materials to be transported.

7. **SPECIAL PROVISIONS:**

- a. Design qualification test reports for each of the packagings authorized by this approval must be submitted and acknowledged in writing by the OHMSAPD prior to selling or using each of the packagings.
- b. The approval holder must submit, and be acknowledged in writing, the initial packaging periodic retesting report to the OHMSAPD for each of the packagings authorized by this approval. Subsequent periodic retesting reports need not be submitted unless requested by the Associate Administrator.
- c. A current copy of this approval must be maintained and made available for examination at each location where packagings authorized under this approval are tested.
- d. A current copy of this approval must be maintained and made available for examination at each facility where the package is offered or reoffered for transportation under its authority.
- e. Any person may use the packaging(s) authorized by this approval for the transportation of the hazardous materials specified in paragraph 5.a. above, only in conformance with the terms of this approval.

- f. Any person who receives a package covered by this approval may reoffer it for transportation provided no modification or change is made to the package and it is reoffered for transportation in conformance with this approval.
- g. This approval in no way affects the need to obtain any required authorizations from other agencies of the United States Government or from the competent authorities of countries of origin, transit, and destination.
- h. The approval holder must maintain a record that contains a listing of the number of packagings tested under the terms of the approval.
- i. All of the above information must be made available upon request to a DOT representative or an enforcement official.
- j. Shipments or operations conducted under this approval are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR 171.15 - Immediate notice of certain hazardous materials incidents, and 49 CFR 171.16 - Detailed hazardous materials incident reports. In addition, the approval holder must notify the Associate Administrator for Hazardous Materials Safety - OHMSPA, in writing, of any incident involving a package, shipment, or operation conducted under the terms of this approval.

8. **GENERAL PROVISIONS:**

- a. Failure by any person to comply with the terms and conditions of this approval and the Hazardous Materials Regulations, 49 CFR Parts 171-180, may result in the modification, suspension or termination of that person's authority to use this approval. Failure to comply may also subject that person to penalties prescribed by 49 U.S.C. §§ 5123 and 5124. This approval may be modified, suspended or terminated in its entirety if that action is justified in light of changes in circumstances or additional information not available when this approval was issued. Unless immediate modification, suspension or termination is necessary to avoid a risk of significant harm to persons or property, before action is taken, that

person will be notified and provided with an opportunity to show why the proposed action should not be taken.

- b. Each "Hazmat employee," as defined in § 171.8, who performs a function subject to this approval must be provided training on the requirements and conditions of this approval in addition to the training required by §§ 172.700 through 172.704.
- c. Any person operating under the terms of this approval must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.

Issued in Washington, D.C.

Dated: 09/26/2014

A handwritten signature in blue ink, appearing to read 'Wendy By', is written over a faint circular stamp.

For Dr. Magdy El-Sibaie  
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-30.