



**APPROVAL CA2006040035**

**SECOND REVISION**

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

**EXPIRATION DATE: 31 JULY 2013**

1. **APPROVAL HOLDER:**       **PACKGEN CORPORATION**  
65 First Flight Drive  
P.O. Box 1970  
Auburn, Maine 04211
  
2. **REGULATORY AUTHORITY:** 49 CFR 178.601(h) - Approval of  
equivalent packagings.
  
3. **SYNOPSIS:** Packgen Corporation formerly Wrangler  
Corporation is authorized to manufacture, mark and sell a  
non-DOT standard Fiberboard Composite Intermediate Bulk  
Containers (IBC) marked UN11GW for transportation of solid  
hazardous materials in accordance with the provisions of  
this approval.
  
4. **BASIS:** This approval is issued in response to Packgen  
Corporation application dated 21 April 2008.
  
5. **PERIOD OF VALIDITY AND CONDITIONS OF APPROVAL:** This  
approval does not provide relief from any requirements of  
the Hazardous Materials Regulations except as stated  
herein. This approval is valid until the posted expiration  
date or until terminated by the Associate Administrator for  
Hazardous Materials Safety.
  - a. **Approved Materials:** Solid hazardous materials that are  
authorized to be transported in UN11HG Fiberboard Composite  
IBCs in accordance with IB Codes (IBC Codes) IB6, IB7, and  
IB8 in Table 1 under 49 CFR 172.102(c)(4), may be  
transported in packagings authorized under the terms of  
this approval.

b. Packaging: Packagings shall be fabricated as described below:

(1) The outer packaging shall consist of a minimum of one layer(s) of 1100 Mullen burst strength triple wall corrugated fiberboard. The fiberboard must be securely and completely laminated between an outer layer of coated woven polypropylene and an inner polyethylene lining.

(2) The fiberboard forming the vertical sidewalls shall form a continuous sleeve and the fiberboard may not have gaps between the sidewalls.

(3) The hazardous material must be contained in either: a flexible polyethylene inner receptacle (liner) or in a flexible inner receptacle (liner) manufactured from a material that is compatible with the hazardous material. Either receptacle configuration must meet the requirements specified in 49 CFR 178.707(c)(3). In addition, either receptacle configuration must have a minimum thickness of 6 mils and capable of being securely closed. The inner receptacle (liner) shall be so attached to the outer packaging as to form a secure and permanent attachment. The inner and outer packaging are to be filled, stored, transported, and emptied as a unit.

(4) During transportation the outer packaging must be securely attached to a pallet that provides complete protection of the base of the outer packaging.

(5) The IBC must have an upper cover consisting of a complete layer of polypropylene laminated fiberboard or a complete layer of fiberboard enclosing the inner receptacle.

(6) The walls of the IBC including the top and bottom, must meet the minimum puncture resistance requirements in § 178.708(c)(2)(i) of the HMR.

c. Testing: Design qualification testing and periodic requalification testing shall be as for a composite IBC except as follows:

(1) Bottom lift test. All IBC designs must be subject to the bottom lift test of § 178.811 of the HMR.

(2) Top lift test. If the IBC is intended to be top lifted, it shall be subject to the top lift test of § 178.812(b) (2) for flexible IBCs.

(3) Stacking Test. All IBCs must be subject to the stack test of § 178.815(C) (2) of the HMR, for composite IBCs of other than plastic materials.

d. Marking Requirements: Each package prepared under the provisions of this approval must be plainly marked with the approval number and the letter "W" following the package identification code of UN11HG2.

6. **MODES OF TRANSPORTATION AUTHORIZED**: Motor vehicle, rail and cargo vessel.

7. **SPECIAL PROVISIONS**:

a. This approval supersedes all previous approvals issued to Wrangler Corporation for the manufacture, mark and sale of UN11HH2 and UN11HH2W intermediate bulk containers.

b. A current copy of this approval must be maintained and made available for examination at each location where materials are packaged and offered for transportation.

c. Any person who offers for transportation or transports the above-described package(s) may do so under the authority of this approval if all requirements and conditions of this approval are met.

d. Any person who receives a package covered by this approval may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this approval.

e. A test report documenting satisfactory design qualification testing of IBCs manufactured in accordance with this approval must be on file with OHMEA prior to the sale of such IBCs.

f. IBCs meeting the terms of this approval and currently marked "UN11HH2" or "UN11HH2W" may continued to be used until the existing supply is exhausted. New manufacture is not permitted.

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: 02/12/2009

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

For Theodore L. Willke  
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-32.