



WENPLASTICS

NOTICE TO USER 31HA1 COMPOSITE IBC

Prepared in accordance with CAN/CGSB-43.146-2022

1. Manufacturer Information

Manufacturer: WEN GROUP INC. operating as Wenplastics

Address: 7333 River Road, Delta, British Columbia, Canada V4G 1B1

Packaging Type: 31HA1 Composite Intermediate Bulk Container (IBC)

Nominal Capacity: 1000 Liters (275 Gallons)

UN Performance Standard: Y

Design Qualification Test Report: TEN-E Report No. 25-MN40123

UN Manufacturer Registration Number: To be assigned by Transport Canada upon final approval and registration.

2. Purpose of this Notice

This notice is provided in accordance with CAN/CGSB-43.146-2022 to ensure that this Intermediate Bulk Container (IBC) has been manufactured and design-qualified in accordance with CAN/CGSB-43.146-2022 for the transportation of dangerous goods.

3. Approved Closure System – Top Fill Port

Approved Closure:

- DN150 (6") threaded fill port cap
- Material: High Density Polyethylene (HDPE)
- O-Ring Material: Solid White Santoprene
- O-Ring Thickness: 5.99 mm
- O-Ring Diameter: 153.67 mm

Application Torque:

- 70 ft-lbs using calibrated torque wrench

Closure Requirements:

- Closure threads and gasket surfaces must be clean and undamaged before installation.
- The cap must be tightened uniformly to the specified torque.
- Damaged or worn gaskets shall not be used.

4. Approved Dispensing Valve Assembly

Approved Valve:

- 2" (50 mm) Ball Valve with Metal Collar
- Valve Material: Polyethylene and Glass Filled Material
- Gasket Material: Tan Viton



- Gasket Thickness: 5.23 mm
- Gasket Diameter: 70.70 mm

Valve Closure Components:

- 2" dispensing valve cap
- PE foam liner
- Foil induction seal liner

Closure Method:

- Valve closure shall be hand-tightened.
- Foil induction seal liner shall remain intact prior to first use.
- Valve and gasket surfaces must be inspected before assembly.

5. Inner Receptacle and Cage System

Inner Receptacle:

- Blow molded HDPE rigid plastic inner receptacle
- Manufacturer: WEN GROUP INC., Delta, British Columbia, Canada
- Material: High Density Polyethylene (HDPE)

Outer Cage Assembly:

- Galvanized tubular steel cage assembly
- Steel pallet base with four-way forklift entry
- Cage manufactured by WEN GROUP INC., Delta, British Columbia, Canada

The IBC shall only be transported with all structural components properly assembled and secured.

6. Filling Requirements

- Do not exceed the rated capacity at 20°C.
- Do not exceed the maximum permissible gross mass.
- Ensure compatibility of the product with HDPE and closure components.
- Closures must be properly applied and secured prior to transport.

7. Handling and Transportation Instructions

- Forklift handling shall only occur through designated four-way pallet entry locations.
- IBCs shall remain upright during handling and transportation.
- Stacking shall not exceed tested and marked limitations.
- The maximum stacking test load referenced in the certified design is 3855 kg.
- The operational transportation marking reference is 2141 kg max.
- Containers showing leakage, deformation, excessive corrosion, cracks, or structural damage shall not be offered for transport.
- Closures must remain fully secured during transportation.

8. Inspection Before Use

Before each filling and shipment, the user shall verify:

- Fill cap is properly installed and torqued
- Valve assembly is leak free
- Gaskets and liners are present and undamaged
- Bottle and cage are free from visible defects
- All required UN markings remain legible
- Pallet and cage remain structurally sound

9. Leakproofness & Maintenance

Periodic leakproofness testing and inspection must be conducted in accordance with CAN/CGSB-43.146 requirements. Records of inspection and testing must be maintained.

10. Marking

The UN marking, manufacturer code, and manufacturing date are applied in accordance with regulatory requirements. The user must ensure markings remain legible and intact.

UN mark area:

 **31HA1/Y/26/CAN WEN 0001**

3855/2017/1060L/57kg

70Kpa//****

Marking Breakdown

Marking	Description
UN	United Nations packaging symbol
31HA1	Composite IBC design type
Y	Performance level suitable for Packing Groups II and III
05 26	Month and year of manufacture example
CAN	Country authorizing allocation of the mark (Canada)
WEN	Manufacturer identification code
0001	Design registration or identification number
3855 kg max	Maximum permissible stacking load
2017 kg	Maximum permissible gross mass



1060 L	Rated capacity at 20°C
57 kg	IBC tare mass
70 kPa	Hydraulic test pressure
**	Manufacture date
**	Leak test date

11. Restrictions and Replacement Parts

Only approved components equivalent to those tested under TEN-E Report No. 25-MN40123 may be used.

Unauthorized substitutions of:

- closures
- valves
- gaskets
- liners
- bottles
- cage components

may invalidate the UN certification and design qualification of the IBC.

Replacement components shall meet the same material, dimensional, and performance specifications as the tested design.

12. Applicable Standards

This IBC design was tested and certified in accordance with:

- CAN/CGSB-43.146-2022
- 49 CFR
- UN Recommendations on the Transport of Dangerous Goods
- IMDG Code

Performance tests completed include:

- Bottom Lift Test
- Stacking Test
- Leakproofness Test
- Hydrostatic Pressure Test
- Drop Test
- Vibration Test

13. User Responsibility

The user is responsible for ensuring:

- proper closure application



- compatibility of contents with packaging materials
- compliance with dangerous goods regulations
- periodic inspections where required
- safe handling and transportation practices

Failure to follow this notice may result in loss of packaging compliance or transportation authorization.

Issued by:

WEN GROUP INC. (Wenplastics)
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Delta, British Columbia, Canada