



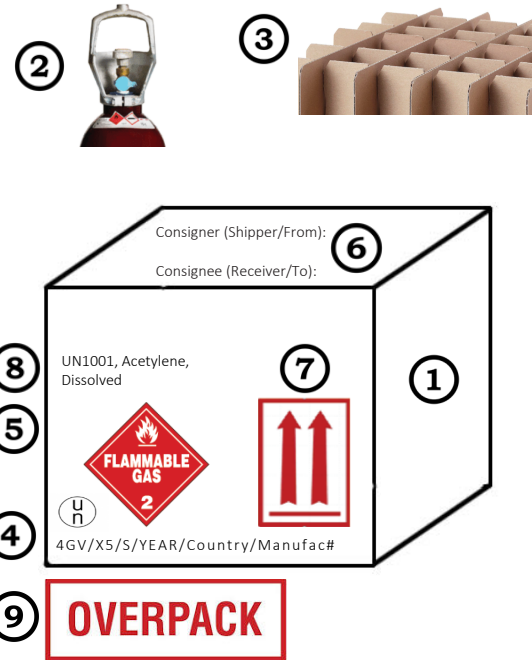
**THERE ARE NO LIMITED QUANTITY PROVISIONS FOR THIS MATERIAL**

**MODE OF TRANSPORT PROHIBITIONS:** Ground shipping: **ALLOWED** | NO AIR OR VESSEL SHIPPING IS PERMITTED W/O WRITTEN AUTHORIZATION FROM LIIHAZMAT@LENNOXINTL.COM. IF WRITTEN AUTHORIZATION IS GIVEN, LIMITS ARE: Passenger aircraft/ rail: **FORBIDDEN** | Cargo aircraft: **ALLOWED 331 lb (150 kg) limit** | Vessel: **ALLOWED, Stowage Category D, 25, 40, and 57.**

**MATERIALS OF TRADE EXCEPTION - MAY BE SOLD BY LENNOX STORES TO TRADESMEN IN QUANTITIES NOT TO EXCEED A TOTAL OF 220 POUNDS (100 KILOGRAMS) OF PRODUCT** UNLESS tradesmen shows proof of commercial drivers license (CDL) with hazardous materials /dangerous goods endorsement. If tradesman has endorsed CDL, sales volume limits do not apply.

### CONTAINER & PACKAGING REQUIREMENTS

- ① Use strong outer packaging appropriate for weight of contents (i.e. box must be rated for the maximum weight being placed in the box). If you cannot tell the weight rating of the box, please ask your supervisor and/or contact Lennox Environmental at liihazmat@lennoxintl.com or +1-972-497-7532.
- ② Protect valves from leaking or damage by wrapping, using a cap, or other protective devices. If for any reason, wrapping, caps and protective devices are not available or practical, exemptions may apply. Contact LIIHazardmat@lennoxintl.com for a waiver.
- ③ Add separation materials to prevent damage to containers AND hold upright.
- ④ Cardboard packing box must have a PREPRINTED UN symbol on it, and a rating of 4GV/X5/S, 4GV/X7/S, or 4G/Y24.2/S. IF A BOX IS REQUIRED to ship this product. If you do not have a U/N certified box contact your supervisor, you may not use a non-U/N certified box to ship this product.
- ⑤ Box must be labeled with the Class 2 Flammable Gas Label on two opposite sides of box. NEVER PUT LABELS ON TOP OR BOTTOM OF BOX.
- ⑥ Place the Consigner (Shipper/From) / Consignee (Receiver/To) on box with weather resistant marking.
- ⑦ Orientation Arrow is essential IF boxed as must be shipped UPRIGHT.
- ⑧ Box must be marked with "UN1001" and "Acetylene, Dissolved" within 6 inches of labels in ⑤
- ⑨ If you are putting an inner package/box holding this product inside an outer box or on a pallet (i.e. using an 'overpack'), inner boxes MUST MEET THIS PACKING INSTRUCTION. AND, outer box or pallet shrink wrap MUST BE MARKED and LABELED with every marking/label used on the inner boxes if not visible through the overpack. **Outer box must have the OVERPACK marking.**



An 'overpack' is a container (box, shrink-wrapped pallet, etc.) used to consolidate individual containers in an easier to ship form.

**IMPORTANT NOTE - IN THE HIGHLY UNLIKELY APPROVAL BY LIIHAZMAT@LENNOXINTL.COM OF SHIPPING THIS PRODUCT BY AIR - THE FOLLOWING LABEL MUST BE ADDED TO THE SAME SIDES OF THE BOX AS THE CLASS 2 LABEL PRIOR TO SHIPPING.**



**FOR QUESTIONS OR WAIVERS PLEASE CONTACT LIIHAZMAT@LENNOXINTL.COM**

DO NOT SHIP UN1001 IN THE SAME VEHICLE WITH THESE CLASSES



DO NOT SHIP UN1001 WITHOUT SEPARATION IN THE VEHICLE WITH THESE CLASSES



Data from the Hazardous Materials Table

Source: 49 CFR §172 (2018/07)

(3) Hazard Class 2.1 Flammable gases	(4) Identification number UN 1001	(5) Packing Group n/a
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(6) Labels



(7) Special Provisions (§172.102)

Note: Special provisions may be very complex. The extracts are taken from 49 CFR §172.102. Please be careful with the information, as necessary, additional conditions may be applied that are not written here. Please check the original source and report bugs.

N86	UN pressure receptacles made of aluminum alloy are not authorized. <a href="#">Browse special provision N86</a>
N88	Any metal part of a UN pressure receptacle in contact with the contents may not contain... <a href="#">[read more]</a>

(8) Packing Authorizations (§173.\*\*\*)

(8A) Exceptions	None	
(8B) Non-bulk	303	see 49 CFR §173.303
(8C) Bulk	None	

(9) Quantity Limits

(9A) Passenger aircraft/trail	Forbidden
(9B) Cargo aircraft only	15 kg

(10) Vessel stowage

(10A) Location	D Stowage category "D" means the material must be stowed "on deck only" on a cargo vessel... <a href="#">[read more]</a>
(10B) Other	... <a href="#">[read more]</a>
	25 Protected from sources of heat
	40 Stow "clear of living quarters".
	57 Stow "separated from"

<https://www.hazmattool.com/info.php?language=en&a=Acetylene%2C+dissolved&b=UN1001&c=2.1>

United Nations/North American Number Datasheet

[Print Friendly Page](#)

UN/NA 1001 

[CAMEO Chemicals](#) has 1 chemical datasheet with response recommendations for this UN/NA number. Response recommendations from the ERG are provided below.

Emergency Response Guidebook (ERG, 2016)

[What is this information?](#)

**Material Name**  
Acetylene, dissolved



Response Guide 116

Gases - Flammable (Unstable)

English  Español  Français

There are no initial isolation and protective action distances listed in the ERG.

The ERG doesn't predict that large amounts of toxic-by-inhalation gases will be produced if this material is spilled in water.

Hazmat Table (49 CFR 172.101)

[What is this information?](#)

UN/NA	Proper Shipping Name	Hazard Class	Labels	Notes*
UN	Acetylene, dissolved	2.1	2.1	

<https://cameochemicals.noaa.gov/unna/1001>

p: For UN 1001 acetylene, dissolved and UN 3374 acetylene, solvent free: cylinders shall be filled with a homogeneous monolithic porous material; the working pressure and the quantity of acetylene shall not exceed the values prescribed in the approval or in ISO 3807-1:2000, ISO 3807-2:2000 or ISO 3807:2013, as applicable.

For UN 1001 acetylene, dissolved: cylinders shall contain a quantity of acetone or suitable solvent as specified in the approval (see ISO 3807-1:2000, ISO 3807-2:2000 or ISO 3807:2013, as applicable); cylinders fitted with pressure relief devices or manifolded together shall be transported vertically.

The test pressure of 52 bar applies only to cylinders fitted with a fusible plug.

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