



Re-Closure of Partial Specification Boxes of Explosives and Detonators

Many explosive products are packaged in UN specification packages (boxes) meeting U.S. DOT transportation shipping requirements. Whenever a UN specification box is opened, and one or more units of explosives are removed for any purpose, a void is created, compromising the performance of the specification box as originally tested.

Prior to offering a partial UN specification box of explosives for transportation, it is required to be re-closed and re-sealed in a manner that restores the packaging performance integrity and transportation safety as originally tested to meet the UN standard.

Consumers who purchase Austin Star Detonator products, use less than full-box quantities, then transport partial UN specification boxes of explosives and/or detonators, assume the responsibility to meet this DOT re-closure requirement, per 49CFR Part 178.2 (c).

RECLOSURE INSTRUCTIONS

Hazardous Materials Labels, Markings and Package Condition:

1. **Always** inspect a UN specification box to ensure that it is properly marked and labeled in accordance with Hazardous Materials Regulations (49CFR, Part 172, Subparts D & E).
2. **Always** inspect a UN specification box to ensure that it is in good condition. (NEVER use a damaged, wet, punctured or cut specification box)

Package Contents:

1. **Never** repack and re-close a UN specification box with any product other than what was originally contained in it.
2. **Never** repack and re-close a UN specification box with more than the unit count and total net explosives weight originally packed and sealed at time of manufacturing.

Re-closure Steps

1. **Always** accurately double-count the number of units repacked into a UN specification box prior to re-closing it, and mark the new package count legibly and visibly on the specification box content label.
2. **Always** use all of the original, inner packing materials placed in the UN specification box by the manufacturing plant when re-closing it. These materials may include, but are not limited to pads, dividers and partitions. The original packing materials are required to be maintained in their relative original positions with respect to the remaining units in the specification box.
3. **Always** use appropriate and sufficient cushioning materials to fill any void spaces created by the removal of product from the specification box.
4. Securely close the two parts (top and bottom) of the specification box.



5. Cut a single piece of polyethylene (PE) tape from its roll or from a roll on a dispenser.
6. Secure the tape to the now closed specification box in such a manner that approximately half of it is attached to the top part of the specification box and half is attached to the bottom part of the specification box (or side of the specification box).
7. **Never** attach any part of the PE tape over any part of the Hazardous Material packaging label.

RECLOSURE AND CUSHIONING MATERIALS

Sample vendors for re-closure and cushioning materials:

PE TAPES: (1) **Scotch** Carton Sealing Tape (or similar), 2" x 55 yards: item# 3W655 at: www.grainger.com (2) **3M** 3850 Carton Sealing Tape (or similar), 2" x 55 yards: item# S-12187 at: www.uline.com (3) **Sure-Tape** HP-400, 2" x 55 yards, 36 rolls per Specification box, phone customer service at 800-473-7511 or www.dotsys.com

CELLULOSE CUSHIONING MATERIAL: (1) Custom Wrap Cellulose (or similar), 12" x 200': Item# 3EXE3 at: www.grainger.com (2) Custom Wrap Cellulose (or similar), 12" x 200': Item# S-666 at: www.uline.com (3) Cellulose Wadding-CW 12 x 200, 4 rolls per Specification box, phone Customer Service at 800-473-7511 or www.dotsys.com

ANTI-STATIC BUBBLE WRAP: (1) Anti-static Wrap (or similar), 12" x 250': item# 5VEWO at: www.grainger.com (2) Anti-static Wrap (or similar), 12" x 250': item# S-1268 at: www.uline.com