

**APPENDIX 4-A****STORAGE OF BERYLLIUM METAL**

1. *Description.* Beryllium metal is a light, hard, silver-colored metal. Prior to 1980 it was furnished in the form of billets nominally 9 inches in diameter (not more than 9-1/2 inches nor less than 7-1/2 inches), and nominally 18 inches in length (not more than 20 inches nor less than 17 inches). When acquired, it shall meet current purchase specifications.

2. *Packaging.* Beryllium metal to be acquired or to be repackaged will be placed in storage in containers meeting the requirements of current acquisition specifications.

3. *Marking*

a. Prior to receipt, one side and one end of each box will be permanently and legibly marked with capital letters. The letters shall not be less than 3/4 inch and of equal height. The marking will include the following:

- (1) Name and Type of Product
- (2) Type: Magnesium Reduced or Electrolytic Reduced Beryllium
- (3) Identification as Grade A, B, or C Metal
- (4) Name of Producer
- (5) Gross and Net Weights
- (6) Government Contract Number
- (7) Manufacturer's Lot Number
- (8) Box Serial Number (Box 1/1 or 1/2, 2/2, etc.)
- (9) Handle With Care

b. In addition, each billet shall have the manufacturer's identification lot number, and billet serial stamped on one end.

c. Identification of material will be obtained from information shown on shipping documents. The DNSC-OL shall be contacted for further instructions if shipments are received prior to receipt of identifying documents, or if type or form is different from that shown on shipping documents.

4. *Storage*

a. Beryllium metal shall be stored in a sealed and secure warehouse.

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b. Storage identity shall be maintained by contract, lot number, type and grade as indicated on each box, and in shipping instructions. A listing of the lots of beryllium metal will be recorded on a card showing contract, lot number, type, grade and lot location within the stack. This card will be prominently displayed and securely attached to the end of the applicable stack. DNSC storage sites will use the Warehouse Material Identification Card (DNSC Form 41) for this purpose. These forms, which are specifically designed for use with stockpile material, will be furnished to military depots upon request.

c. Boxes shall be stored in uniform rows and tiers so as to facilitate the taking of an inventory at any time by a physical count and computation. As boxes will arrive equipped with 2" x 4" skids, pallets will not be used in the stacks, in order to conserve space. However, a layer of floor pallets shall be placed under the stacks.

## 5. Precautions To Be Taken

a. *Health.* If loose metal must be handled, dust should be minimized and respirators and gloves should be worn.

b. *General.* None.

6. *Average Storage Factor.* The average gross square feet per short ton for the storage of beryllium metal is approximately 14 square feet.

FOR ADDITIONAL INFORMATION ON THIS COMMODITY REFER TO THE MATERIAL SAFETY DATA SHEET OR THE MOST RECENT PURCHASE SPECIFICATION.