

APPENDIX 4-A

STORAGE OF COBALT METAL

1. *Description*

a. Cobalt is a silvery white metal with a faint bluish tinge closely resembling nickel in appearance. When acquired, it shall meet Purchase Specification P-13 (latest revision).

b. The following forms of cobalt may be received for storage:

- (1) Briquettes
- (2) Broken Cathodes
- (3) Cones
- (4) Small Lumps
- (5) Granules
- (6) Rondelles

2. *Packaging*

a. Cobalt to be acquired or to be repackaged will be placed in storage in containers meeting the requirements of current acquisition specifications.

b. Cobalt metal now in storage is packed in wooden barrels containing from 500 to 650 pounds, in steel drums (in some instances galvanized) containing from 480 to 600 pounds, or in wooden boxes containing approximately 250 pounds each.

3. *Markings.*

Drums are to be identified with three metal tags. One tag to be attached to the outside of the lid, one on the inside of the lid, and one attached to the drum side. Tags will reflect receiving report information reflecting contract number and lot number.

4. *Storage*

a. Segregation shall be by contract and lot number. Space separation between lots in storage is not required. Lots will be clearly identified by DLA-SM form 41 cards, by lot numbers, contract number, and identifying section, bay, and row.

b. Boxes shall be stored on base floor pallets in uniform rows and number of tiers so as to facilitate the taking of an inventory at any time by a physical count and computation. If pallets are used between tiers,

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a uniform number of boxes shall be placed on each pallet. In doing this, economical use of space must be given full consideration and all segregation requirements must be met.

c. Cobalt metal in conventional drums or wooden barrels shall be stored in a warehouse, shed or other structure to protect them from the weather. Avoid exposure of wooden barrels or boxes to direct sunlight. Material, when received in galvanized steel drums, may be stored in the open on concrete runners or blocks when specifically authorized by the DLA Strategic Materials.

d. In every case, storage identity shall be maintained by contract and lot number.

e. When material is to be stored in a warehouse, shed or other structure, all drums shall be stored on pallets.

f. When material in galvanized drums is designated for storage in the open, drums shall be stored on side and stacked in cordwood fashion on concrete runners or concrete blocks. Storage aids used to keep piles stable shall be of concrete. Use of cinder block is prohibited. Maximum stacking height of drums stored in open space will be four, unless otherwise directed by the DLA Strategic Materials.

g. Whether stored in a warehouse, shed, etc., or in the open, the drums or barrels shall be stored in uniform rows and tiers so as to facilitate the taking of an inventory at any time by counting the rows and tiers and computing the total quantity. In doing this, however, economical use of space must be given full consideration and all other segregation requirements must be met. When pallets are used, a uniform number of drums or barrels shall be placed on each pallet, except when an odd number on the top pallets of a stack of uniform height will complete the lot.

5. *Precautions To Be Taken*

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

b. *General.* None.

6. *Average Storage Factor*

a. The average gross square feet per short ton for the storage of cobalt is approximately 5 square feet.

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