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[NON-MEASUREMENT SENSITIVE]
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TO SUPERCEDE
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COMMERCIAL ITEM DESCRIPTION

SAND, SANDBLAST

The General Services Administration has authorized the use of this commercial item description (CID) by all federal agencies.

1. SCOPE AND CLASSIFICATION

1.1 Scope. This commercial item description covers sand for the removal of scale, paint, sand which adheres to castings, and corrosion from metal surfaces.

2. CLASSIFICATION.

2.1 Classification. The sand shall be of the following grades and classes, as specified (see 7.2).

Grade A (95 percent silicon dioxide, SiO_2).
- Class 1
- Class 2
- Class 3
- Class 4
- Class 5

Grade B (80 percent silicon dioxide, SiO_2).
- Class 1
- Class 2
- Class 3
- Class 4
- Class 5

3. GENERAL REQUIREMENTS.

3.1 Material. The sand shall consist of siliceous grains free of dirt, clay, caustic and corrosive substances, and water soluble materials. Calcium chloride or sodium chloride content shall not exceed 0.03 percent. The sand shall meet the requirements as stated herein.

3.1.1 Grade A. Grade A sand shall contain a minimum of 95 percent silicon dioxide (SiO_2). Unless otherwise specified (see 7.2), the loss upon ignition shall not exceed 1.0 percent and the moisture content shall not exceed 0.5 percent at the point of shipment.

3.1.2 Grade B. Grade B sand shall contain a minimum of 80 percent silicon dioxide (SiO_2). Unless otherwise specified (see 7.2), the loss upon ignition shall not exceed 1.0 percent and the moisture content shall not exceed 0.5 percent at the point of shipment.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any other data which may improve this document should be sent to: General Services Administration, Engineering Branch (7FXEE), 819 Taylor Street, Fort Worth, TX 76102.

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TABLE 1. Requirements

TYPE OF REQUIREMENT	GRADE A	GRADE B	SPECIFICATION PROCEDURE
Silicon Dioxide (SiO_2)	95% min.	80% min.	ASTM C 146 and ASTM C 169 (Single Dehydration Method)
Moisture content (at shipping point)	0.5% max.	0.5% max.	ASTM C 575
Ignition loss (at shipping point)	1.0% max.	1.0% max.	ASTM C 146A
Sieve analysis	See Table 2		ASTM C 136 and ASTM D 1214

3.2 Sieve analysis. The sieve analysis shall be in accordance with Table 1. The percentages retained shall be in accordance with Table 2 for the particular class analyzed. The grain shape shall be angular to round.

TABLE 2. Sieve analysis (Grade A and B)

U.S. Sieve # standard	Percent retained Class 1	Class 2	Class 3	Class 4	Class 5
4	-	-	-	-	0
6	-	-	-	0	0-5
8	-	-	-	0-5	20-50
10	-	-	0	0-20	30-75
12	-	-	0-5	10-30	75-95
16	-	0	0-20	60-90	95-100
20	0	0-5	10-50	80-100	trace
30	0-10	5-65	30-90	95-100	-
40	15-60	30-95	80-100	trace	-
50	75-100	70-95	95-100	-	-
70	90-100	95-100	trace	-	-
100	95-100	trace	-	-	-
Pan	trace	trace	-	-	-

3.3. Material safety data sheet (MSDS). The contracting activity shall be provided a MSDS at the time of contract award. The MSDS is form OSHA-20, found as part of FED-STD-313. The MSDS shall be included with each shipment of the material.

3.4. Workmanship. The abrasive grain shall be uniform in appearance, non-caking and free flowing. Shall be suitable for cleaning metal surfaces by blasting without deforming, marring, or scratching the surfaces being cleaned. The abrasive material shall not contain foreign grit or other extraneous materials that will affect serviceability. The material shall perform in a mostly dust free manner. Used (reprocessed) abrasive materials shall not be furnished when Class 1 grain is specified.

4. REGULATORY REQUIREMENTS

4.1 Regulatory Requirements. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. QUALITY ASSURANCE PROVISIONS.

5.1 Product Conformance. The products provided shall meet the general requirements and characteristics of this CID, conform to the producer's own drawings, specifications standards and quality assurance practices and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

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6. PACKAGING

6.1 Packaging. The preservation, packing, and general marking requirements shall be as specified in the contract or order.

6.2 Marking. In addition to any marking or labeling required by the contract or purchase order, each container shall be marked with following:

WARNING
CONTAINS FREE SILICA
DO NOT BREATH DUST
MAY CAUSE DELAYED LUNG INJURY (SILICOSIS)
APPLICABLE OSHA REGULATIONS ARE TO BE FOLLOWED

7. NOTES

7.1 Part Identification Number (PIN). Sandblasting sand conforming with this commercial item description shall be identified by a part number configuration consisting of identification of a portion of the specification number, the grit size, type and class. An example of the part number configuration is shown below.

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AA2667A2/30
      |||  |___ Sieve size
      |||
      |||___ Class 1, 2, 3, 4, or 5.
      |||
      ||___ Grade A or B.
      |
      |___ General specification number.
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PART NUMBER	NSN
AA2667A1/325	5350-00-184-6258
AA2667A2/70	5350-00-201 0889
AA2667B2/50	5350-00-201 1201
AA2667A2/20	5350-00-201 1233
AA2667A2/25	5350-00-201-1234
AA2667B2/30	5350-00-201-1235
AA2667B5/8	5350-00-223-4364
AA2667B1/50	5350-00-223-4365
AA2667A4/20	5350-00-276-6125
AA2667A3/30	5350-00-276-6126
AA2667A1/40	5350-00-276-6127
AA2667A1/120	5350-00-276-6129
AA2667A2/30	5350-00-440-5093
AA2667B2/30	5350-00-543-4398
AA2667A1/30	5350-00-680-1735

7.2 Ordering data. Purchaser's should select the preferred options permitted herein and include the following information in procurement documents (if applicable).

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a. Title, number, and date of this commercial item description.
b. Grade, class, sieve size
c. The preservation, packing and marking desired.

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7.3 REFERENCED DOCUMENTS

7.3.1 ANSI standards are available from the American National Standards Institute, 11 West 42nd Street, New York, NY 10036.

7.3.2 ASTM standards are available from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA.,19428-2959.

7.3.3 Copies of Federal Standards can be obtained from GSA/FSSB (3FBP-W), Specifications Section, Suite 8100, 470 L'Enfant plaza, SW, Washington, DC 20407,(202) 619-8925.

MILITARY INTERESTS:

Custodian:
Air Force - -99

Review Activity:
Air Force - 84

User Activity:
Navy - AS, SH

PREPARING ACTIVITY:

GSA - FSS