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SUPERSEDING
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24 August 1970

COMMERCIAL ITEM DESCRIPTION

FATTY OIL (FOR METAL-WORKING LUBRICANTS)

The General Service Administration has authorized the use of this commercial item description by all federal agencies.

1. SCOPE. This commercial item description (CID) covers one grade of fatty oil for use in metal working operations.

2. SALIENT CHARACTERISTICS

2.1 Material. The fatty oil shall consist of oil obtained from animal sources, with such additives as may be necessary to meet the specified requirements.

2.2 Workmanship. The fatty oil shall be transparent and homogeneous in appearance when examined visually by transmitted light at 72 degrees +/- 5 degrees Fahrenheit (°F) (ambient room temperature).

2.3 Viscosity requirements. The fatty oil shall have a viscosity range of 186.7 to 219 Saybolt Universal Seconds (SUS) at 100 °F when tested in accordance with ASTM D445, and converted to SUS by ASTM D2161.

2.4 Pour point. The fatty oil shall have a maximum pour point of 45 °F when tested in accordance with ASTM D97.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be used in improving this document should be addressed to: Defense Supply Center Richmond (DSCR), ATTN: DSCR-VBD, 8000 Jefferson Davis Highway, Richmond, VA 23297-5610.

AMSC N/A FSC 9150

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2.5 Flash point. The fatty oil shall have a minimum flash point of 475 °F when tested in accordance with ASTM D92.

2.6 Water content. The fatty oil shall have a maximum water content of 0.10 percent when tested in accordance with ASTM D95.

2.7 Saponification number. The fatty oil shall be in the range of 190 to 200 when tested in accordance with ASTM D94.

2.8 Neutralization number. The fatty oil shall have a maximum neutralization number of 8 when tested in accordance with ASTM D974.

2.9 Sediment. The fatty oil shall have a maximum sediment of 0.02 percent when tested in accordance with ASTM D96 (Method A).

3. 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).

4. QUALITY ASSURANCE PROVISIONS

4.1 Product conformance. The products provided shall meet the salient characteristics of this commercial item description, 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.

4.2 Market acceptability. The following market acceptability criteria are necessary to document the quality of the product to be provided under this CID.

4.2.1 The company must have produced the fatty oil, meeting the requirements of this CID, for at least 3 years.

4.2.2 The company must be able to show test data or lab results of meeting the salient characteristics of the fatty oil.

5. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

6. NOTES

6.1 Referenced documents.

6.1.2 Federal documents. Federal documents may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

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6.1.3 ASTM documents. ASTM documents may be obtained from ASTM Inc., 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

6.2 Ordering data. Acquisition documents must specify the following:

a. Title, number, and date of this CID.

b. Quantity and size of containers required.

6.3 National stock numbers (NSNs). The following NSNs correspond to this CID. This list may not be indicative of all possible NSNs associated with this document.

NSN	Size
9150-00-231-6699	1 pint can
9150-00-265-9406	1 gallon can
9150-00-231-9054	5 gallon can
9150-00-449-6009	55 gallon drum

Custodian:
Army - AR

Reviewers:
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Preparing Activity:
DLA - GS

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