

INCH-POUNDS

A-A-59197C

25 June 2015

SUPERSEDING

A-A-59197B

21 June 2005

COMMERCIAL ITEM DESCRIPTION

FATTY OIL (FOR METAL-WORKING LUBRICANTS)

The General Services Administration has authorized the use of this commercial item description for 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 $72^{\circ}\text{F} \pm 5^{\circ}\text{F}$ (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, "Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and the Calculation of Dynamic Viscosity)", and converted to SUS by ASTM D2161, "Standard Practice for Conversion of Kinematic Viscosity to Saybolt Universal Viscosity or to Saybolt Furol Viscosity".

2.4 **Pour point.** The fatty oil shall have a minimum pour point of 45°F when tested in accordance with ASTM D97, "Standard Test Method for Pour Point of Petroleum Products".

2.5 **Flash point.** The fatty oil shall have a minimum flash point of 475°F when tested in accordance with ASTM D92, "Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester".

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data that may improve this document should be sent to DLA Aviation, VEB, 8000 Jefferson Davis Highway, Richmond, VA 23297-5616 or e-mailed to STDZNMGT@dla.mil . Since contact information can change, you may want to verify the currency of this address information using the ASSIST database at https://assist.dla.mil .
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2.6 Water content. The fatty oil shall have a maximum water content of 0.10 percent when tested in accordance with ASTM D95, "Standard Test Method for Water in Petroleum Products and Bituminous Materials by Distillation".

2.7 Saponification. The fatty oil shall be in the range of 190 to 200 when tested in accordance with ASTM D94, "Standard Test Methods for Saponification Number of Petroleum Products".

2.8 Neutralization number. The fatty oil shall have a maximum neutralization number of 8 when tested in accordance with ASTM D974, "Standard Test Method for Acid and Base Number by Color-Indicator Titration".

2.9 Sediment. The fatty oil shall have a maximum sediment of 0.02 percent when tested in accordance with ASTM D4007, "Standard Test Method for Water and Sediment in Crude Oil by the Centrifuge Method (Laboratory Procedure)".

3. REGULATORY REQUIREMENTS

3.1 Recovered materials. 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. PRODUCT CONFORMANCE PROVISIONS

4.1 Product conformance. The products provided shall meet the salient 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 marketplace. The government reserves the right to require proof of such conformance.

5. PACKAGING

5.1 Preservation, packing, and marking. Preservation, packing, and marking shall be as specified in the acquisition order (see [6.2\(b\)](#)).

5.2 Unit quantity. The fatty oil shall be provided in 1-pint, 1-gallon, 5-gallon, or 55-gallon quantities as specified in the acquisition order (see [6.2\(c\)](#)):

6. NOTES

6.1 Sources of documents.

6.1.1 FAR. Copies of the FAR are available online at www.access.gpo.gov.

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6.1.2 ASTM standards. Copies of ASTM documents are available online at <http://www.astm.org/>.

6.2 Ordering data. The acquisition order should specify the following:

- a. CID document number and revision.
- b. Preservation, packing, and marking (see [5.1](#)).
- c. Unit quantity required (see [5.2](#)).

6.3 Subject term (key word) listing.

cutting fluids
lubrication

6.4 National stock numbers (NSNs). The following NSNs correspond with this CID. This list may not be indicative of all NSNs used to procure fatty oil covered under this CID.

<u>NSN</u>	<u>Size</u>
9150-00-231-6699	1 pint
9150-00-265-9406	1 gallon
9150-00-231-9054	5 gallon
9150-00-449-6009	55 gallon

MILITARY INTERESTS:

Custodian:
Army - AR

Review Activities:
Army - AV, MI

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FAS

Preparing Activity:
DLA - GS3

(Project 9150-2015-008)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST database at <http://assist.dla.mil/>.