



AEROSPACE MATERIAL SPECIFICATION

AMS-C-19853™

REV. A

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Stabilized	2021-05

Superseding AMS-C-19853

Carbon Removing Compound (For Use in Agitated Tank)

RATIONALE

AMS-C-19853A has been reviewed and determined to contain straightforward and stable technology which is not dynamic in nature.

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NOTICE

This document has been taken directly from U.S. Military Specification MIL-C-19853D and contains only minor editorial and format changes required to bring it into conformance with the publishing requirements of SAE technical standards. The initial release of this document is intended to replace MIL-C-19853D. Any part numbers established by the original specification remain unchanged.

The original Military Specification was adopted as an SAE standard under the provisions of the SAE Technical Standards Board (TSB) Rules and Regulations (TSB 001) pertaining to accelerated adoption of government specifications and standards. TSB rules provide for (a) the publication of portions of unrevised government specifications and standards without consensus voting at the SAE Committee level, and (b) the use of the existing government specification or standard format.

Under Department of Defense policies and procedures, any qualifications requirements and associated qualified products lists are mandatory to DOD contracts. Any requirement relating to qualified products lists (QPL's) has not been adopted by SAE and is not part of this technical report.

1. SCOPE:

1.1 Scope:

This specification covers requirements for the acquisition of two types and two classes of material that will remove or loosen carbon from components of internal combustion engines and compressor sections of jet engines.

1.2 Classification:

The carbon removing compound is to be furnished in the following types and classes as specified (see 6.2c):

Type I - Phenolic
Type II - Non-phenolic

Class 1 - Unsealed (Single layer)
Class 2 - Sealed (Two layers)

2. APPLICABLE DOCUMENTS:

The following publications, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

2.1 U.S. Government Publications:

Available from DODSSP, Subscription Services Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

MIL-M-3171	Magnesium Alloy, Processes for Pretreatment and Prevention of Corrosion on
MIL-L-6082	Lubricating Oil, Aircraft Piston Engine (Non Dispersant Mineral Oil)
MIL-S-7952	Steel, Sheet and Strip, Uncoated, Carbon (1020 & 1025) (Aircraft Quality)
MIL-A-8625	Anodic Coatings, for Aluminum and Aluminum Alloys
MIL-T-9046	Titanium and Titanium Alloy, Sheet, Strip, and Plate
MIL-STD-105	Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-290	Packaging of Petroleum and Related Products
QQ-A-250/4	Aluminum Alloy 2024, Plate and Sheet
QQ-A-250/13	Aluminum Alloy Alclad 7075, Plate and Sheet
QQ-P-416	Plating, Cadmium (Electrodeposited)
FED-STD-313	Material Safety Data Sheet, Transportation Data, and Disposal Data for Hazardous Materials Furnished to Government Activities

2.2 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

AMS 4375 Sheet and Plate, Magnesium Alloy, 3.0A1-1.0Zn-0.20Mn, (AZ31B-0), Annealed and Recrystallized