

Remover, Organic Coating, Hot Tank Type

FSC 8010

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1. SCOPE:

- 1.1 This specification covers the requirements for one grade of remover of various organic coatings from aircraft parts.

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.

P-D-680	Dry Cleaning Solvent
QQ-A-250/4	Aluminum Alloy 2024, Plate and Sheet
QQ-A-250/5	Aluminum Alloy Alclad 2024, Plate and Sheet
QQ-A-250/12	Aluminum Alloy 7075, Plate and Sheet
QQ-A-250/13	Aluminum Alloy Alclad 7075, Plate and Sheet
PPP-D-729	Drums, Metal, 55 Gallon (For Shipment of Noncorrosive Material)
QQ-M-44	Magnesium Alloy, Plate and Sheet (AZ31B)
QQ-P-416	Plating, Cadmium (electrodeposited)
MIL-M-3171	Magnesium Alloy, Process for Pretreatment and Prevention Of Corrosion On
MIL-C-5541	Chemical Films and Chemical Film Materials For Aluminum and Aluminum Alloys
MIL-O-6082	Lubricating Oil, Aircraft Reciprocating Engine (Piston)
MIL-S-7952	Steel, Sheet and Strip, Uncoated, Carbon (1020 and 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-C-22750	Coating, Epoxy Polyamide
MIL-P-23377	Primer Coating, Epoxy Polyamide, Chemical and Solvent Resistant
MIL-C-27725	Coating, Corrosion Preventive, For Aircraft Integral Fuel Tanks
MIL-C-81309	Corrosion Preventive Compound, Water Displacing, Ultra-Thin Film
MIL-P-81352	Lacquer, Acrylic (For Naval Weapons Systems)
MIL-C-81773	Coating, Polyurethane, Aliphatic, Weather Resistant
MIL-STD-105	Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-129	Marking for Shipment and Storage

3. REQUIREMENTS:

3.1 Composition:

The formulation of the remover shall be optional with the manufacturer, but shall be restricted by other requirements specified herein. The remover shall be a liquid from 60°F to 180°F.

- 3.1.1 The product shall be free of any materials which may produce obnoxious vapors in such concentrations as to become an annoyance or a medical hazard to personnel when used in accordance with the directions specified herein.

3.2 Seal:

The seal shall consist essentially of water, corrosion inhibitors and rinsing agents. The pH of the seal shall be 10 ± 0.5 . The volume of the seal shall be not less than 10% nor more than 15% of the total volume of remover.

3.3 Flammability:

When tested as specified in 4.4.3, the solvent layer shall continue to burn no longer than 3 seconds after removal of the flame.

3.4 Stripping properties:

When tested as specified in 4.4.4, the remover shall strip all organic finishes normally encountered on removed aircraft parts.

3.5 Oil removal:

The material shall remove oil deposits when tested as specified in 4.4.5.

3.6 Corrosiveness:

The remover shall show no visible trace of corrosion nor show more than 0.2 mg. loss of weight of panel after 24 hours immersion when tested as specified in 4.4.6.

3.7 Orthodichlorobenzene content:

The manufacturer shall certify that the solvent layer of the remover does not contain more than 20% by volume of orthodichlorobenzene.

3.8 Storage stability:

The manufacturer shall certify that the remover will conform to all requirements of this specification after 6 months storage at $75 \pm 5^\circ\text{F}$.