

SMI, Inc.

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Attn: Nicole Blackman
ChemFree Corporation
8 Meca Way
Norcross, GA 30093

Date: 07-Apr-2005
SMI/REF: 05JAN227

Product: **SW-6 (SNP) Lot # 5013101E**
(received 07-Feb-2005)

Dilution: Ready to Use

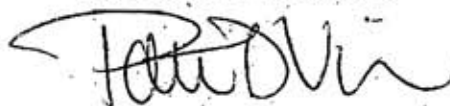
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AMS 1526B

Cleaner for Aircraft Exterior Surfaces
Water-Miscible, Pressure-Spraying Type

3.2.1.1	Sandwich Corrosion	<u>Conforms</u>
3.2.1.2	Total Immersion Corrosion	<u>Conforms</u>
3.2.1.3	Low-Embrittling Cadmium Plate	<u>Conforms</u>
3.2.2	Hydrogen Embrittlement	<u>Conforms</u>
3.2.3	Flash Point	<u>Conforms</u>
3.2.4	Effect on Transparent Acrylic Plastics	<u>Conforms</u>
3.2.5	Effect on Painted Surfaces	<u>Conforms</u>
3.2.6	Effect on Unpainted Surfaces	<u>Conforms</u>
3.2.7	Storage Stability	<u>Not performed</u>

Respectfully submitted,



Patricia D. Viani, SMI Inc.

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2.1.1 Sandwich Corrosion: Specimens, after test, shall show a rating not worse than 1 determined in accordance with ASTM F 1110.

	2024-T3 Anodized	2024-T3 Alclad	7075-T6 Anodized	7075-T6 Alclad
As received	1	1	1	1
Control	1	1	1	1

Result Conforms

3.2.1.2 Total Immersion Corrosion: The product shall neither show evidence of corrosion of the panels nor cause a weight change of any test panel greater than the following, determined in accordance with ASTM F 483:

PANEL	Allowable Weight Change mg/cm ² /24hrs	FOUND As rec'd
AMS 4037 Aluminum Alloy, anodized per AMS 2470	0.3	0.01
AMS 4041 Aluminum Alloy	0.3	0.01
AMS 4049 Aluminum Alloy	0.3	0.01
AMS 4376 Magnesium Alloy, dichromate treated as in AMS 2475	0.2	0.05
AMS 4911 Titanium Alloy	0.1	0.01
AMS 5045 Carbon Steel	0.8	0.02

Result Conforms

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3.2.1.3 Low-Embrittling Cadmium Plate: Panels coated with low-embrittling cadmium plate shall not show a weight change greater than 0.3 mg/cm² per 24 hours, determined in accordance with ASTM F 1111.

As received: 0.01 mg/cm²

Result Conforms

3.2.2 Hydrogen Embrittlement: The product shall be non-embrittling, determined in accordance with ASTM F 519, Type 1C.
Specimens: Type 1c, cadmium plated per Treatment B, Table 2 of ASTM F519
Temperature: 25°C (77°F)

As received: No failures within 150 hours

Result Conforms

3.2.3 Flash Point: The flash point shall not be lower than 60°C (140°F), determined in accordance with ASTM D 56.

No flash to 60.5 °C (141°F)

Result Conforms

3.2.4 Effect on Transparent Acrylic Plastics: There shall be no crazing or staining of stretched MIL-P-25690 plastic, determined in accordance with ASTM F 484.

As received: PASS

Result Conforms

3.2.5 Effect on Painted Surfaces: The product shall neither decrease the hardness of the paint film by more than 2 pencil hardness levels nor shall it produce any streaking, discoloration or blistering of the paint film, determined in accordance with ASTM F 502.

As received: PASS

Result Conforms

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3.2.6 Effect on Unpainted Surfaces: The product, tested in accordance with ASTM F 485, shall neither produce streaking nor leave any stains requiring polishing to remove.

As received: PASS

Result Conforms

3.2.7 Storage Stability: The product shall neither show separation from exposure to heat or cold nor show an increase in turbidity greater than a control sample equally diluted to use concentration with ASTM D 1193, Type IV water, determined in accordance with ASTM D 1105.

Result Not performed