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Date: 01-May-2008

SMI/REF: 0803-323

Product: 1-03N (received 08-Apr-2008)

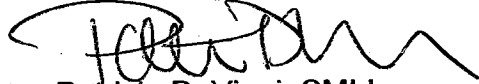
Dilution: As received

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Boeing D6-7127 Revision M (April 11, 2003)
CLEANING INTERIORS OF COMMERCIAL
TRANSPORT AIRCRAFT
Category: Disinfectants

11.3.1	Sandwich Corrosion	<u>Conforms</u>
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11.3.10	Flash Point Test	<u>Informational</u>
11.3.11	Polycarbonate Crazing Test	<u>Conforms</u>

Respectfully submitted,



Patricia D. Viani, SMI Inc.

Client: Aerocare International Limited
 Product: 1-03N
 Dilution: As received
 Boeing D6-7127

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11.3.1 **Sandwich Corrosion Test:** Corrosion in excess of that on the control panel constitutes failure when tested in accordance with Section 12.1.

	Clad 7075-T6 Aluminum (AMS 4049)	Bare 7075-T6 Aluminum (AMS 4045) anodized per Mil-A-8625 Type I
PRODUCT	1	1
Control	1	1

Result Conforms

11.3.2 **Immersion Corrosion Test:** The average weight change of each test specimen shall not exceed ± 10 mg in a 24 hour immersion period when tested in accordance with Section 12.2.

	PRODUCT (Loss per 1"x2" panel)	RESULT
Clad 2024-T3 Aluminum (QQ-A-250/5)	+ 0.3 mg	PASS
Bare 2024-T3 Aluminum (QQ-A-250/4) alodined per MIL-C-5541	0.1 mg	PASS
Bare 2024-T3 Aluminum (QQ-A-250/4) anodized per MIL-A-8625 Ty I	0.1 mg	PASS
Bare 7178-T6 Aluminum (QQ-A-250/14) anodized per MIL-A-8625 Ty I	0.1 mg	PASS

Result Conforms

11.3.3 **Rubber Test:** Changes in properties shall not exceed the following, when tested in accordance with Section 12.3:

PROPERTY	MAX. CHANGE ALLOWED	PRODUCT
Tensile Strength	25 % loss	< 5%
Elongation	25 % loss	< 5%
Volume	$\pm 15\%$ change	< 5%

24 hour immersion at room temperature.

Result Conforms

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11.3.4 Sealant Test: The sealant shall not lift at the edges or lose adhesion when tested in accordance with Section 12.4.

PRODUCT: Sealant did not lift at the edges or lose adhesion.

Result Conforms

11.3.5 Painted Surface Test: When tested in accordance with Section 12.5 and Section 7c., the following is required:

- a. Paint film hardness shall not decrease more than 2 pencil hardnesses.
- b. Greater than minimal color change or staining constitutes test failure.

**PRODUCT: Paint film hardness: 0 pencil hardness change
Color change: none**

Result Conforms

11.3.6 Tedlar Surface Test: When tested in accordance with Section 12.6 and Section 7c., the following is required:

- a. Scratching of exposed specimens constitutes test failure.
- b. Greater than minimal color change or staining constitutes test failure.

PRODUCT: No scratching, color change, or staining of specimens.

Result Conforms

11.3.7 Vinyl Surface Test: When tested in accordance with Section 12.7 and Section 7c., the following is required:

- a. Cracking, scratching or brittleness of exposed specimens constitutes test failure.
- b. Greater than minimal color change or staining constitutes test failure.

PRODUCT: No scratching, color change, or staining of specimens.

Result Conforms

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11.3.8 **Fabric and Carpet Test:** When tested in accordance with Section 12.8 and Section 7c., the following is required:

Upholstery:

- a. Greater than minimal color change or staining constitutes test failure.

No color change or staining

Result Conforms

- b. Flammability: maximum values:

PROPERTY	MAXIMUM VALUE	PRODUCT
Extinguishing Time	15 seconds	8 seconds
Burn Length	8 inches	4 inches
Drip Extinguish Time	5 seconds	Less than 3 seconds

Result Conforms

Carpet:

- a. Greater than minimal color change or staining constitutes test failure.

No color change or staining

Result Conforms

- b. Flammability: maximum values:

PROPERTY	MAXIMUM VALUE	PRODUCT
Extinguishing Time	15 seconds	6 seconds
Burn Length	8 inches	Less than 5 inches
Drip Extinguish Time	5 seconds	Less than 3 seconds

Result Conforms

11.3.9 **Leather and Naugahyde Test:** When tested in accordance with Section 12.9 and Section 7c., the following is required:

- Leather: a. *Scratching or brittleness of exposed specimen constitutes test failure.*

No scratching or brittleness of exposed specimen.

- b. *Greater than minimal color change or staining constitutes test failure.*

No color change or staining.

Result Conforms

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11.3.9 Leather and Naugahyde Test (continued):

- Naugahyde: a. *Scratching or brittleness of exposed specimen constitutes test failure.
No scratching or brittleness of exposed specimen.*
b. *Greater than minimal color change or staining constitutes test failure.
No color change or staining.*

Result Conforms

11.3.10 Flash Point Test: All cleaning candidates having a flash point shall be approved by Fire Protection Engineering before they can be evaluated for use.

PRODUCT: No flash point observed to 212^oF.

Result Informational

11.3.11 Polycarbonate Crazing Test: Any cracking or crazing of the polycarbonate sheet constitutes failure, when tested in accordance with Section 12.11.
LEXAN 9600 (2000 psi/10 minutes)

PRODUCT: No cracking or crazing

Result Conforms