

SMI, Inc.

SCIENTIFIC MATERIAL INTERNATIONAL

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Attn: Bill Balcom
Carwell Products, Inc.
2745 Broadway, Ste 22
Cheektowaga, NY 14227

Date: 09-Mar-2000

SMI/REF: 00JAN086-R

Product: **CARWELL RUST INHIBITOR AR-500**
(1 gallon received 28-Jan-2000; 2 liters received 09-Mar-2000)

Dilution: As received

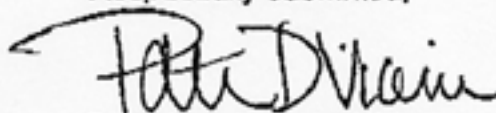
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MIL-C-81309E, CORROSION PREVENTIVE COMPOUNDS,
WATER DISPLACING, ULTRA-THIN FILM
Amendment 3 (26-Nov-1997);
Type II - Soft Film; Class 1 - Non-Pressurized Container

TABLE I

Minimum flash point	<u>Conforms</u>
Acid salt fog protection	<u>Conforms</u>
Water displacement	<u>Conforms</u>
Removability	<u>Conforms</u>
Abrasives	<u>Conforms</u>
Maximum film thickness	<u>Conforms</u>
Sprayability	<u>Conforms</u>
Corrosivity	<u>Conforms</u>
Minimum dielectric breakdown	<u>Conforms</u>
Mixibility of compound	<u>Conforms</u>
Lubricity of compound	<u>Conforms</u>

Respectfully submitted,



Patricia D. Viani, SMI Inc.

Client: Carwell Products, Inc. Date: 09-Mar-2000
 Product: CARWELL RUST INHIBITOR AR-500 SMI/REF: 00JAN086-R
 Dilution: As received Page 2 of 2
 Mill-C-81309E Amendment 3 Type II, Class 1

TABLE I Property requirements

Characteristics	Requirement	Test Para.	Found/Result
Minimum flash point	60°C (140°F)	4.7.1	No flash to 140°F / Conforms
Acid salt fog protection	No visible corrosion on carbon steel after 2 cycles	4.7.2	No visible corrosion / Conforms
Water displacement	No visible corrosion	4.7.3	No visible corrosion / Conforms
Removability	No more than 3 cycles to remove	4.7.4	Less than 3 cycles to remove / Conforms
Abrasives	None present	4.7.5	None present / Conforms
Maximum film thickness	0.0005 inches	4.7.6	0.0004" / Conforms
Sprayability	Sprayable	4.7.7	Sprayable / Conforms
Corrosivity	No visible pitting, etching or dark discoloration. No wgt change (mg/cm ²) > 0.5 for Mg, Cd, Zn; nor > 0.2 for Al, Cu, and brass	4.7.8	See Appendix / Conforms
Minimum dielectric breakdown	25,000 volts	4.7.9	30,000 volts / Conforms
Mixability of compounds	No evidence of sedimentation	4.7.10	No evidence of sedimentation / Conforms
Lubricity of compounds	Less than 0.20	4.7.11	0.17 / Conforms