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## *Evaluating Gardoclean S5500 for Corrosion Protection*

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**Project #:** 11-010-1825(bis)

**Test conducted by:**

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**Approved by:**

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**Background:** Customer wants to know if Gardoclean S 5500 causes corrosion or offers corrosion protection.

**Sample Received:** 1 bottle of light yellow liquid labeled “100% Gardoclean S 5500”

**Sample(s) labeled:** see above

**Method:**

Humidity Cabinet (ASTM 1748)

**Materials:**

Gardoclean S 5500 sample

Carbon Steel Q-panel

DI-water

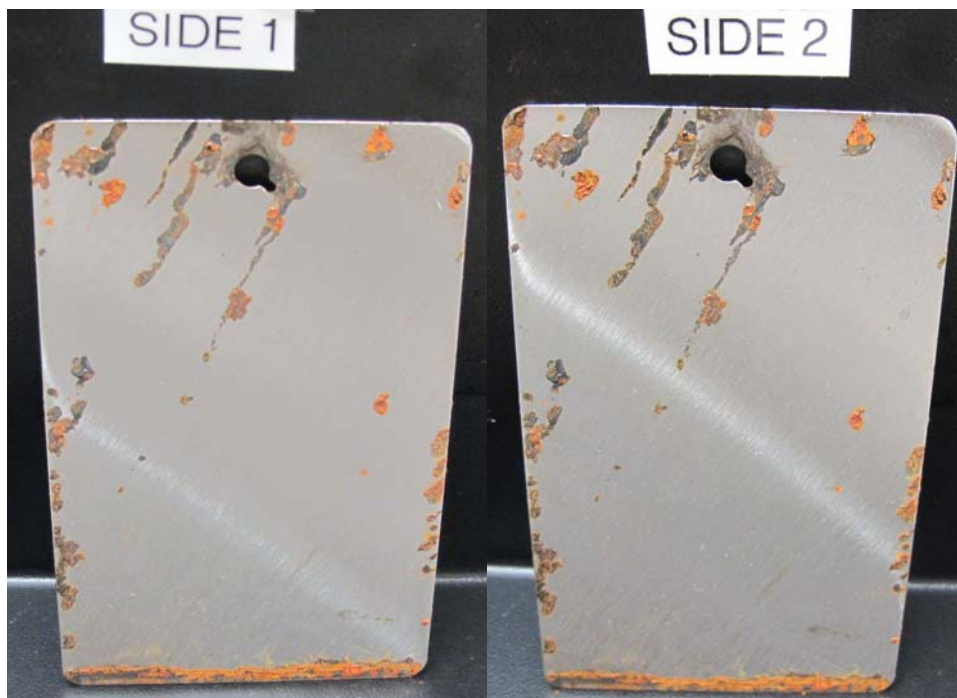
Methanol (lab grade)

**Procedure:**

1. A solution of 4% Gardoclean S 5500 was made in DI-water.
2. A carbon steel panel was cleaned with Methanol, dipped in the above 4% Gardoclean S 5500 solution, let dry overnight, and then placed in Koehler Humidity Cabinet (50°, 100% RH). The panel was examined periodically for sign of corrosion.

**Results:**

The 4% Gardoclean S 5500 treated panel developed corrosion within 24 hrs when placed in Koehler Humidity Cabinet.



**Interpretations:**

Based on the test results, 4% Gardoclean S 5500 doesn't provide corrosion protection.