



HOUGHTON CHEMICAL CORPORATION

www.houghton.com : 800-777-2466

CASE STUDY

BOEING
DREAMLINER
FACILITY

CHARLESTON, SC



HOUGHTON





Highlighted Products & Services:

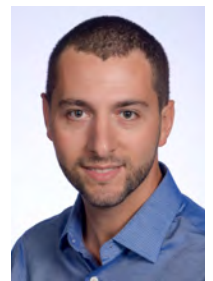
- **SECURITY® Scrub System Cleaner**
- **SAFE-T-THERM® HD 20%**
- **85,000 gallons WINTREX® 30%**
- **17 Truckload Bulk Deliveries**
- **Delivery complete in 5 days**
- **Site Visit**

Houghton Chemical operates a complex yet flexible manufacturing infrastructure to supply multiple product lines. The Boeing Dreamliner facility in Charleston, South Carolina put our infrastructure to the test with multiple product requirements and a multi-faceted 85,000 glycol delivery to an ice bank system.

In order to prepare two HVAC systems, Boeing purchased SECURITY® Scrub to remove mill scale, oil, and dirt from the system pipes. A small HVAC system received drums of SAFE T THERM® HD 20%, an inhibited propylene glycol. In preparation for a large ice bank system, Account Manager, Alfonso Sira, visited the site.

The challenge was to deliver 85,000 gallons of inhibited ethylene glycol in less than five days. As a solution, Houghton recommended installing two fill points, two high pressure pumps and simultaneously hooking up two tank trucks. Through 50ft of hose, each truck would connect to a pump. Each pump would connect to an elevated fill point at the top of the 20ft ice system tanks.

Another challenge was preparing the formulation and transportation of 85,000 gallons of inhibited propylene glycol. The Houghton production team coordinated between four manufacturing facilities, 17 bulk deliveries, and numerous drivers. Each truck was off loaded in under two hours and the entire delivery was complete in 5 days. It is great working together to get the job done.



Alfonso Sira
Sr. Account Manager