

ENVIRO-ARMOR DHF-3C

CORROSION INHIBITOR



CUSTOMER: THIRD PARTY LOGISTICS PROVIDER

PRODUCT

Enviro-Armor DHF-3C is a high flash point, oil based, ready to use, short to long-term rust preventive / corrosion inhibitor designed to provide a translucent, dry, durable coating. Enviro-Armor DHF-3C provides long term indoor storage protection and short to long-term outdoor protection on sheet steel and other ferrous parts. The coating is extremely durable and resilient in a variety of harsh environments and can withstand unprotected, outdoor environments (rain impingement) for storage of parts. This product dries in 24 to 48 hours (depending on application environment) and can be handled prior to complete cure. Enviro-Armor DHF-3C is safe to use.

PROCESS AND EQUIPMENT

Industry/Market	Industrial
Product Type	Corrosion Inhibitor
Product Number	5011300000
Machinery Involved	Dip Tank
Description of Environment	Contract packager for aftermarket parts
Volume Used	3-4 totes annually
Date of Use	August 2008
Documented Cost Savings	Unavailable

▷ **DESCRIPTION OF PROBLEM**

Customer needed replacement for their discontinued rust preventative to use on repackaged engine liners.

▷ **SOLUTION**

At the direction of Caterpillar Logistics, Chemtool developed replacement product that was a low wax based RP that surpassed 240 hours of salt fog protection and 1000 hours in the humidity cabinet. It did not require heat to be used in a dip application.

▷ **CUSTOMER TESTIMONIAL**

Exceeded customer's expectations by eliminating need to heat product, as well as, reduced overall consumption by being a lower viscosity and allowing faster run off.