

COMPANY NAME

CLEANITY S.L.

**CHALLENGE SHEET****CHALLENGE CODE**

09.1 Cleanity

TITLE

Development of Anticorrosive ingredients

DESCRIPTION

Several cleaning products use corrosive ingredients with hydrochloric acid (ratio > 10%) and sodium chloride (ratio > 5%) to ensure their effectiveness.

For these formulations, both the manufacturing process facilities and the surfaces in use may suffer corrosion depending on the application time and frequency.

To neutralize their corrosive effect, there are currently no ingredients that comply with current legislation.

HOW COULD WE

To develop an anticorrosive ingredient to be included in formulations to prevent corrosion in stainless steel (AISI 304).

We want to add the anticorrosive to a new WC Gel that will contain chlorohydric acid. The final destination of the product is home use.

SELECTION CRITERIA

The solution must be industrially scalable and its cost should not be high because it would be in addition to bleaches and plungers.

TARGET INDICATORS

Verify the anticorrosive effect with regular corrosion tests.

REQUIREMENTS

Compliance with EU legislation for chemical substances: REACH, CLP, etc.

CHALLENGE TYPOLOGY

Process

Technology

Business

 Product
KEYWORDS

CLP, REACH. Anticorrosive