

SAFE S 7 Corrosion Inhibitor

Physical-Chemical Properties

Physical state : colorless liquid
pH (10 g/l, 20°C) : 6,5 +/- 0,5

Typical Application

SAFE S 7 Inhibitor is a liquid corrosion inhibitor to be used in sulphuric acid based pickling baths of ferrous materials. It is used in pickling solutions with or without regeneration working at temperature up to 100°C. It guarantees an excellent removal of the oxide.

Characteristics

Main characteristics of the product are:

- Totally soluble in pickling baths without leaving residuals
- No foaming
- It does not etch rubber or similar products
- It leaves metal surface perfectly clean and bright
- It avoids over pickling by reducing acids consumption
- Does not interfere with any plant regeneration by crystallization

Application conditions

Product can be metered in continuous by a metering pump or it can be added manually at the following concentrations (for each 1000 lt)

- Bath set up: 1 ÷ 1,5 kg of SAFE S 7 Inhibitor
- By reduction of the protection add : 250 g of SAFE S 7 Inhibitor
- For each addition of acid to the bath : 400 g of inhibitor each 100 kg of added concentrate acid.

Working temperature : 30 ÷ 100°C
Plants : Immersion

At the plant start up Condoroil Chemical Technicians will provide with the proper indication for an excellent application of the product according to kind of material to pickle, working temperature, and available pickling time.

After pickling, plenty rinse the treated material before proceeding with the following operations.