



Product Specification Report

1.1/1130/0116

METAL FER 1130 consists of a mixture of medium strength acids (organic and inorganic), with mainly phosphoric acid. It is an ideal product to remove calcium deposits and oxidation from steel and light alloys.

METAL FER 1130

Phosphoric acid based pickling agent for iron and light alloys

FEATURES:

Pickling	Removes lime deposits and oxidation from machinery and equipment.
Safe	Quickly removes calcium deposits and corrosion, without corroding the surface on which it is applied.
Low foaming	Low foaming. Ideal for acidic C.I.P. applications, for spraying or for use in high pressure systems.

INSTRUCTIONS FOR USE:

Empty the system and rinse thoroughly in order to remove the sludge deposited on the bottom. Fill the system up to the usual level, with a solution of a suitable concentration:

Application	Concentration
Boilers	20%
Refrigerator condensers	10%
Hot water production	10%
Heat exchangers	10%
Cooling towers	5%
Central heating systems	5%
Piping	5%

Let the solution circulate for 1 to 3 hours. When a shorter washing time is inevitable, it is recommended to heat the water to 40-50°C. Monitor the pH of the solution in the system, if the pH increases this means a loss of effectiveness so it is necessary to discharge the solution and refill with fresh product. If the pH remains at 2-3 for 20-40 minutes, descaling is considered completed.

ACTIVE INGREDIENTS:

- Phosphoric and citric acid
- Corrosion inhibitors
- Washing adjuvants

PRECAUTIONS FOR USE:

The product is a strong acid and therefore oxidising. Operators should pay maximum attention when using the product. When preparing solutions, do not add water to the product, but always add the product to water. For more information, consult the MSDS.

COMPATIBILITY:

Compatible with stainless steel and light alloys. To check the effect on the material and optimise contact time, a preliminary test is recommended.

SPECIFICATIONS:

Form Liquid
Colour Brown
Odour Typical
pH (undiluted) Acid
Density 1,3 g/cm³
Solubility in water Soluble

All information in this document is based on our practical experience and/or laboratory tests. Due to the multiplicity of conditions for usage and variable human factors, we recommend that you always test our products for suitability prior to use. At any time, this version of the product specification report may have been revised based on legislation, availability of the individual ingredients or newly acquired information. The current approved version is available upon request.

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