



PICKLING FLUID **FLUID FOR PICKLING** **AUSTENITIC STAINLESS STEEL**

Description:

PICKLING FLUID may be used only on austenitic stainless steel as it corrodes other materials.

It removes weld slag, annealing scale, grinding dust and iron parts etc., which prevent a proper passivation of the stainless steel.

Applications:

PICKLING FLUID is used mainly for pickling installations and tanks. It may be used by circulation, spray or in immersion baths.

Usage:

Pretreatment: Before commencing, clean and degrease the surfaces to be pickled, this will give the basis for uniform pickling. Use ARR-SAFETY LIQUID for degreasing small metal surfaces. To degrease tanks etc. we advise the use of a 2-4% solution of ARR-SAFETY LIQUID in warm water. After pickling rinse thoroughly with a jet of water.

Circulation Method: This method is used mainly for pipe systems. Fill the system with cold undiluted PICKLING FLUID. Pickling will take 2 to 6 hours depending on the degree of soiling and on the kind of austenitic steel. Do not pickle longer than necessary. Drain the system and rinse carefully, preferably, with demineralized water. After rinsing if required passivation should follow immediately.

Spraying: Used mainly for very large surfaces and tanks. Use equipment not susceptible to acids. Duration of spray method depending on the amount of soil, 2-6 hours. Afterwards rinse with plenty of clean water. After rinsing the surfaces need to be passivated. Use our product PASSIVATING FLUID.

Immersion Bath Method: Fill a plastic or plastic lined bath with undiluted PICKLING FLUID. Place the articles to be pickled into the bath and leave them to soak for 1 to 6 hours depending on the degree of soiling and the kind of austenitic steel. Remove the articles from the bath and spray them with a powerful water jet. Demineralized water should preferably be used for this purpose. Passivation should follow immediately after spraying.

./..



-2-

Passivation:

A protective oxide layer will form on the austenitic stainless steel only if oxidizing conditions are present. For example during long-term rinsing in oxygen rich water or during storage in the open air. In these circumstances the steel automatically passivates. Because this passive layer takes a long time to develop to the correct thickness we recommend passivating with PASSIVATING FLUID particularly if the stainless steel is exposed to corrosive conditions soon after the pickling treatment. Good results are obtained if the object is sprayed / brushed with PASSIVATING FLUID immediately after it has been rinsed. For further information refer to Product Data Sheet of PASSIVATING FLUID.

Caution :

Avoid contact with skin and eyes. For further instructions refer to Material Safety Data Sheet.