

## HIDRO 1300

### DECONTAMINATING AND SCALE REMOVER

#### USE:

**HIDRO 1300** is a red liquid perfectly soluble in water in all the proportions. The mixture of inorganic acids that characterize it, has a considerable reactivity on all the deposits of inorganic (limestone, oxides, etc.) and organic origin (carbonaceous residues) without provoking damages on the metallic support. **HIDRO 1300** includes adequate inhibitors of corrosion based on a special kind of ammonia. Therefore the decontaminating action and the scale remover action is accompanied from the superficial protection of the metallic supports without provoking variations in the thickness.

#### BENEFITS:

**HIDRO 1300** is a mixture of deoxidizing acids and scale removers for iron, steel and related alloys. It is suitable for the removal of states of oxide, rust, for boilers, heating coils and wherever we need to eliminate substantial incrustations of carbonate nature.

#### USE SUGGESTION:

The use of **HIDRO 1300** is related to the type of contamination to remove, to the degree of contamination, to the regularity of the treatments, to the kind of substratum. The use of **HIDRO 1300** is included into the following range:

- Concentration: 10-50% in volume
- Temperature: From 20°C. to 50°C.
- Time of contact: Tightly connected to the operation to be effected

**HIDRO 1300** can be used to soak or to recycle. For descaling boilers treatment with **HIDRO 1300** must be followed without rinsing by neutralization and passivation.

#### UTILIZATION AND CONTROL SYSTEM :

During the decontamination work the mixture will tend to finish in proportion to the amount of removed deposit. For the cleaning of particularly dirty plants, unless you have the possibility to operate with a sufficient volume of solution at 10-15%, it can be maintained the concentration of 40 to 50% of product or it can work with more dilute solutions. In such a way it will replace with new solutions, to exhaustion of their actions, until the intervention will not be concluded. The solutions are to be considered exhausted when it reaches a range of pH at about 3,5-4

#### PASSIVATION SYSTEMS:

Using acid solutions, it is always good to make an alkaline neutralization at the end. Such neutralization, however, does not always ensure a complete protection of metal surfaces: It is therefore most suitable, at the end of washing, proceed to a passivation of the

intervention on surfaces. This is achieved using a solution of 2-3% of HIDRO Dabliù. The solution is obtained at cold and the so-filled boiler will be ready for use.

**PRECAUTIONS:**

**HIDRO 1300** must be handle with the care required by the chemical acids. Refer to our safety sheet.

**CHARACTERISTICS - COD. 80Z303**

Physical State:	Red Liquid
Smell:	Pungent
pH	1
Parameters of pollution (Solution to 1%)	Total Surfactants 15 parts per million Chloride 2590 parts per million

NOTE: - The contents of this document is based on our own knowledge and experience on the product. It's given as an indication, do not assume our responsibility for particular applications.