

# ACID KLEEN HCL

## INHIBITED MURIATIC ACID



### PRODUCT APPLICATION GUIDE

Inhibited Hydrochloric (Muriatic) Acid is a liquid acid formulated with compatible inhibitors. It is designed for removing water scale and rust from heat exchangers, compressors, cooling coils and other equipment in utility companies, paper mills, chemical plants, steel mills, mines, and other industries.

### TYPICAL PROPERTIES

Physical State	Liquid
Color	Yellow
Odor	Slight - Pungent
pH	Below 1.0
Specific Gravity	1.054
Pounds per Gallon	8.79

Inhibited Hydrochloric Acid may be used straight (for removing heavy scale and deposits) or diluted 1 to 1 with water (for removing light scale and deposits). When diluting with water, add the acid into the water.

To clean heat exchangers, compressors, cooling coils, etc:

- Drain and flush system with clean water
- Depending on the amount of scale to be removed, fill the system with straight Inhibited Muriatic Acid or to a 1:1 water solution.
- Recirculated the cleaning solution through the water lines, jackets, etc. Circulate from the bottom up to be sure all passages are filled with solution.
- After descaling is complete, drain the system and rinse thoroughly with fresh water. If desired, the last traces of acid may be neutralized with any alkaline type material.

### Safety Precautions

- NOTE: The cleaning solution may be used cold, however, for faster and more economical results, the use solution should be heated to about 150°F.
- CAUTION: May be harmful if swallowed. May cause eye injury, nose, throat, and skin irritation.
- In case of contact, flush skin and eyes thoroughly with water. Receive medical attention in case of eye burns.