

Technical Data Sheet

Pickling Agent EB-222

Pickling Agent EB-222 or Pickling agent is usually used to indicate hydrochloric acid with acid corrosion inhibitor. Acid corrosion inhibitor means organic compound which absorbs metal surface to protect metal from acidic atmosphere. It's suitable for Iron, Steel, and Copper & Brass. Acid inhibitor can also be used for cleaning pipe systems in boilers. It allows to react HCL only with red oxide, scales not with main surface of part even dropped for a long time, also it's reduce evaporation of unpleasant hydrogen gas by masking gases.

The inhibitor HCL heated usually up to 60°C to facilitate the dissolving reaction between scale's and acid.

Make-Up Method-

- Firstly clean tank thoroughly (PP/PVC Tank recommended)
- Fill tank 2/3rd with RO/Line water.
- Add 10-20% HCL carefully or as per need.
- Add inhibitor 1-3% of HCL.
- After addition Maintain required Level of solution.

Operating Parameters:-

Addition: 0.5-1% of HCL
Temperature: Ambient
Residence time: 3-5 minutes

Replenishment:

Increase in iron content 180~200gm/liter will increase the pickling time because of the inhibition. As a rule of thumb 26gm/liter of iron in the pickling bath shall be fixed or discarding the bath.

Cautions:

- Must Wear PPE's Rubber Gloves, Long shoes and apron during chemicals mixing.
- Care should be taken while adding acid inhibitor to concentrated acid are diluted acids at elevated temperature as fuming or foaming may occur.

Waste Treatment:

- Pickling and industrial cleaning bath is acidic and should be neutralized with alkali prior to discharge into sewerage line.