

## Technical Data Sheet

### Inhibitor/ Pickling Agent EB-1003

Inhibitor EB-1003 / ``Inhibited HCL`` is usually used to indicate hydrochloric acid with acid corrosion inhibitor. Acid corrosion inhibitor mean`s 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 system`s in boiler`s. Its allow 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 2/3<sup>rd</sup> 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:	3-5minutes

#### Replenishment:

Increase in iron content 180~200gm/liter will increase the pickling time because of the inhibition As a rule of thumbs 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 acid`s at elevated temperature as fuming are foaming may occur.

#### Waste Treatment:

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