# Technical Data Sheet

## Inhibitor/ EB-1005

Inhibitor EB-1005 / ``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$^{rd}$with RO/Line water.
- Add 10-20% HCL carefully or as per need.
- Add inhibitor 0.2-0.4% of Inhibitor with 1% 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 andapron 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.



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