



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-19-1503-210

Acid Corrosion Inhibitor RXSOL 213

Acid corrosion inhibitor RXSOL 213 is an organic, liquid, cationic corrosion inhibitor specifically made to prevent hydrochloric acid from attacking steel and iron during industrial cleaning processes. Additionally, it prevents brass and copper from being attacked by acid. Lead compounds, arsenic, and chlorinated hydrocarbons are absent.

Applications

When acid corrosion inhibitor RXSOL 213 is added to hydrochloric acid solution, the equipment is best protected during:

- The removal of water scale or lime deposits from boilers, pipes, and evaporation equipment in power plants.
- Scale and deposits are removed from machinery in chemical plants, paper mills, utility companies, refineries, and other businesses.

How to use?

For every 1,000 US gallons of either 3% or 5% hydrochloric acid solution by weight, use at least the following recommended quantities of Acid Corrosion Inhibitor RXSOL 213:

Cleaning Temperature	RXSOL 213 Dosage
150°F (65.5°C)	1 gallon per 1,000 US gal acid
175°F (79.4°C)	2 gallons per 1,000 US gal acid
200°F (93.3°C)	3 gallons per 1,000 US gal acid

RXSOL 213 provides excellent corrosion protection and thermal stability, offering a substantial safety margin across variations in **acid concentration, cleaning temperature, and contact time**. The inhibitor can be added directly to either diluted or concentrated hydrochloric acid. In both cases, ensure that the product is **thoroughly and uniformly mixed** into the acid solution using adequate stirring or agitation.

For optimum cleaning performance, the inhibited hydrochloric acid solution should preferably be **circulated through the equipment** being cleaned. Where circulation is not practical, the equipment may be completely filled with the inhibited acid solution and left in contact for the required period to dissolve and remove the deposits.

The appropriate **acid concentration and cleaning duration** will depend on the nature and severity of the deposits. Where possible, representative deposit samples should be evaluated in a laboratory before commencing the full-scale cleaning operation to establish suitable treatment conditions.

If elevated temperature is required to accelerate the cleaning process, the equipment or acid solution should be **heated to the required temperature before starting the cleaning operation**.

Properties

Parameters	Values
Physical state	Liquid
Color	Pale Yellow to clear
Odour	Solvent
Odour threshold	Not available
pH	5-9
Vapor pressure	Not Determined
Boiling point/range	>82.2 °C (> 108OC)
Melting point/ range	-200F (-28.9OC)
Specific gravity	1.02 - 1.05 at 60OF (15.56OC)

This Safety Data Sheet is provided by RXSOL. For the most current version of this document, please visit **eastindiachemicals.com**. This document is prepared in accordance with GHS / OSHA HazCom standards. The information contained herein is believed to be accurate but does not purport to be all-inclusive. It is the responsibility of the user to determine the suitability of this information for their application.