



# Technical Data Sheet

Product Code: A570XXX Revised Date: 5/01/2025

## C&H 570 Rust Inhibitor

### Product Description

C&H 570 is a liquid organic rust inhibitor for indoor storage of steel and iron parts. C&H 570 offers the best features of protecting the steel for inhouse keep or further processing.

### Performance Features

- C&H 570 is easy to rinse
- C&H 570 is very economical to use
- Does not require parts to be re-cleaned before painting or heat treatment
- Provides rust protection for short-term storage after cleaning for mass finishing of iron or steel parts
- C&H 570 is compatible with most alkaline compounds

### Physical Specifications

Physical State	Liquid
Appearance	Dark Green
Rinseability	Excellent

### Equipment Requirements

TANKS: Tanks should be polypropylene.

VENTILATION: Follow as required by industrial ventilation book.

### Operating Parameters

Concentration	1-3% by volume
Temperature	Room Temperature
Time	1-2 Minutes

### Concentration and Application Methods

For maximum rust protection, use along with an alkaline cleaning or deburring compound or in the final rinse section after cleaning, deburring, descaling or burnishing operations. Add 1% by volume of C&H 570.

C&H 570 works by reacting with the surface of the steel and passivating it. Therefore, there does not need to be any residual C&H 570 on the surface of the parts to provide protection. This means that, in most cases, parts can be welded, painted, plated or assembled without the additional step of removing the rust inhibitor.

### Control and Replenishment

Maintain C&H 570 concentration as determined by analytical procedure below. The bath should be discarded and made up new based on the workload processed through, or when cleaning becomes insufficient.

1. Pipet 25ml sample of C&H 570 into a 250ml beaker
2. Add 50ml water and 10 drops of phenolphthalein
3. Titrate with 0.1N Hydrochloric Acid until a clear endpoint is reached
4. Percent by volume C&H 570 =  $(\text{ml HCl} \times 1.25)$
5. Add C&H 570 to maintain desired concentration

### Safety and Handling

Read and understand this product SDS before handling.



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## Waste Treatment

Spent bath of C&H 570 should be tested for regulated heavy metals that are being processed through. The solution should be treated according to local, state, and federal regulations before pH adjustment and dumping.

## Ordering Information

C&H 570 is available in 55-gallon drums.



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