

# RUST PREVENT SYN 3-X

Water Soluble, Synthetic Corrosion Inhibitor

## Description

**RUST PREVENT SYN 3-X** is a highly concentrated synthetic, oil free corrosion inhibitor used to protect ferrous metals between stages of production. **RUST PREVENT SYN 3-X** will protect for approximately 30 days indoor storage and / or while in shipment.

**RUST PREVENT SYN 3-X** is very low foaming allowing it to be applied by a variety of methods including a re-circulating spray washer, immersion and dip applications.

**RUST PREVENT SYN 3-X** is water soluble and contains no oil. When diluted with water it forms a clear solution. **RUST PREVENT SYN 3-X** contains no chlorine, sulfur, silicone, phenols, or nitrites.

## Key Properties

- Concentrated formula makes even very dilute solutions effective
- Non-Nitrite, water soluble synthetic formula.
- Wets out on the metal surface providing complete coverage
- Will inhibit rust for approximately 30 days of indoor storage
- Excellent for use as an interim flash rust prevent in paint pretreatment systems
- Use when machining or cleaning cast iron to prevent rust
- Dilution is clear and easy to see through

## Technical Data

Color:	Amber, Liquid
Weight:	9.67 lb/gal
Flash Point:	None
Foam:	Low
Hard Water:	Stable
pH (conc.):	10.5
pH (1%):	9.7

## Use Instructions

Use **RUST PREVENT SYN 3-X** diluted with water at 1-5% by volume. In most applications, a 1:50 mix ratio provides 30 days of indoor rust protection. **RUST PREVENT SYN 3-X** can be heated up to 1300 F to accelerate drying time.

## Dispensing

**RUST PREVENT SYN 3-X** is easily mixed with water to form a clear, amber solution. Contact your local DuBois Sales Representative for automated product control equipment.

## Test Method

### Dropper Method

- 1) Take a 10 ml sample
- 2) Add 3-5 drops Bromophenol Blue
- 3) Add 2N Sulfuric drops until color changes from blue to yellow

Concentration	# Drops
0.5%	3
1.0%	6
1.5%	9
2.0%	13
2.5%	16
3.0%	19

### Burette Method

- 1) Take a 5 ml Sample
- 2) Add 3-5 drops Bromophenol Blue
- 3) Slowly add 0.1 N Sulfuric Acid until color changes from blue to yellow

Concentration	ml 0.1N Sulfuric
0.5%	1.5
1.0%	3.0
1.5%	4.4
2.0%	5.9
2.5%	7.4
3.0%	8.8

## Metal Compatibility

**RUST PREVENT SYN 3-X** is suitable for use on ferrous and non-ferrous metals. It is typically safe on brass and copper for short term immersion.

## Safe Handling and Storage Instructions

This product will freeze. If frozen, thaw to room temperature (70° F); then mix before using.



## Disposal

Please refer to the material safety data sheet regarding proper disposal of this product. **RUST PREVENT SYN 3-X** like all industrial solutions, may require some treatment before discharge. In addition to waste treatment chemicals, DuBois offers full service disposal and compliance consultation. Information is available from your DuBois Representative.

## Precautions

KEEP OUT OF THE REACH OF CHILDREN.  
Please refer to the label and Material Safety Data Sheet/Safety Data Sheet information for all warnings, recommendation for safety equipment, and other regulatory information. Copies of the Material Safety Data/Safety Data Sheet information can be ordered by calling 800 438 2647.

