

# Eco Quest NCS 179

## NANO / ZIRC BONDING & RINSE TREATMENT

**NCS 179** offers advanced cleaning, pretreatment coating and final rinse passivation in a single product. Moderately Alkaline Zirconium for treatment of Steel, Aluminum, Zinc and Galvanize. A Nano + Zirconium product.

Provides a superior surface which is more receptive to painting and coatings. Provides enhanced bonding of all types of coatings. Operates at a non-acid pH of typically 9.75.

Used in 3 or 5 stage process to provide a level of bonding and anti-corrosion properties under paints and coatings. Superior performance for aluminum and galvanized metals. Resistant to flash rusting for in process protection.

Non chromated, biodegradable, non-phosphated. Highly Cost Effective

## Features & Benefits

- Easy To Control. Simple Dilution With Water. Non-chromated.
- Can Be Considered For Use In Military Aluminum Process Spec ( Mil C 5541 E )
- Operates At A Wide Chemical Use Range. (.25 - 5 % By Volume) Excellent Performance With Paints, Sealers, Adhesives And Powder Coating.
- Passivates Zinc And Iron Phosphate Coatings.
- Can Be Used In Spray And Immersion Applications.

## Typical Processing

3 Stage Clean & Coat Process:(5 Stage Add Alkaline Clean & Rinse)

- 1) Clean And Bond In Iron Phosphate, Ecoquest Or Zrc "non-phosphate".
- 2) Rinse
- 3) Ncs-179 Treated Rinse, 2.0% By Volume, 120 Deg. F., 25 Seconds. (Ph 9.5-10.0)
- 4) Air Blow-off.

- Can Also Be Used as A Stand Alone Pretreatment Product On Steel, Aluminum And Zinc Galvanize. (Requires A Pre-cleaner For Oils / Soils ) Use Rate: 3-6% Typical, 120 Deg.

## Product Bulletin

Product Name: Eco Quest NCS 179

Product Code: 2204915

Revision Date: May 30, 2025

## Specifications

|                    |        |
|--------------------|--------|
| pH                 | 10     |
| Prod._Type         | Liquid |
| Spc.Grav           | 1.02   |
| LBS./GAL           | 8.51   |
| FOAM 0=low 9=high  | 0      |
| Shelf life years:  | 10     |
| Freeze information | N/A    |

## Packaging

|                |                           |
|----------------|---------------------------|
| Container Type | POLY                      |
| Net Units      | 467                       |
| Tare Wt.       | 25 LB.                    |
| Gross Wt.      | 492                       |
| Dot_Name       | Not Regulated by D. O. T. |
| DOT Hazzard    | Not Regulated             |
| Tariff ID      | n/a                       |

## Use parameters

|                     |                                          |
|---------------------|------------------------------------------|
| Concentration Range | Concentration range 3-6% by Volume Temp. |
| Range               | 75-150 Deg. F.                           |
| Time Range          | 20 sec. – Min                            |
| Agitation           | Spray or Dip                             |

## Other information

It is important that the **OSHA DATA, "Material Safety Data Sheet"** be carefully read and reviewed with the users of this product. OSHA data is required to be posted in the work area by law.

## Waste Disposal

Neutralize, remove fats oils and grease

## Holding Tank Materials of Construction

Steel, Stainless or Poly.



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