



Eco Quest NCS 172-LF Low Foam

NANO / ZIRC MULTI STAGE SURFACE TREAT. 172-LF offers advanced, low foam cleaning, conversion coating and final rinse passivation in a single product. Moderately Alkaline Zirconium for treatment of Steel, Iron, 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 8.0 - 9.0.

A low foam, product providing a level of cleaning, bonding and anti-corrosion properties under paints and coatings. Superior performance for aluminum and galvanize metals. Resistant to flash rusting for inprocess 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) With Mil C 81706 Conversion Coating Non-chrome)

Operates at a wide chemical use range. (.25 - 5 % by volume)
Excellent performance with paints, sealers, adhesives and powder coating.

Can also be used to Passivates zinc and iron phosphate coatings.
used in low foam spray and Lower temperature immersion applications

Physical Data

Specific gravity	1.02
Product Type	Liquid
PH	8.5
LBS/Gal	8.51
Foam, 0=Low 9=High	1
Shelf Life Years	10 Years
Freeze Information	Not Damaged by Freezing



Operating Conditions/Typical Processing

3-5 STAGE CLEAN & COAT PROCESS:(5 stage add #1 clean & #2 rinse)

- 1) Eco quest n c s 172 l f , 90 - 140 f. time: 2-5 minutes, ph - 8-9
- 2) Rinse
- 3) N C S-172, 2% by volume, Ambient-120 deg. F., 25 SEC PH 8.0-9.0
- 4) rinse
- 5) n c s- 172 passivation rinse. 30 sec., 100+ f,

* Can Also Be Used As A Stand Alone Pretreatment Product On Steel, Aluminum And Zinc Galvanize. Use Rate: 3-6% Typical, Ambient-120 Deg

Packaging

Container Type	POLY
Net Units	468
Tare Wt.	25 Lb
Gross Wt.	493
DOT_NAME	Not regulated by D.O.T
DOT Hazard	Not regulated

Use Parameters

Concentration Range	.3-6% by volume
Temperature Range	75-150 F.
Time Range	20 sec. - min
Agitation	Spray

Waste Disposal

NEUTRALIZE, REMOVE FATS, OILS, GREASE

Holding Tank Materials of Construction:

STEEL, STAINLESS, OR POLY

Testing, Operating, & Trouble Shooting Data

Concentration By Field Dropper Test With Total Alkalinity

- 1) Take A 50 MI Sample Of Solution
- 2) Add 5 Drops Of **Indicator #2**, Total Alkalinity Indicator



- 3) Add Drop By Drop Of **1.0n Acid** (counting The Drops) Until Solution Changes
- 4) The Number Of Drops Required Multiplied By A Factor Of 0.5 = % By Volume
Ex) 10 Drops = 5%

Concentration By Titration With Total Alkalinity

- 1) Take A 50 ML Sample Of Solution
- 2) Add 5 Drops Of **Indicator #2**, Total Alkalinity Indicator
- 3) Titrate With **0.1n Acid** Until Solution Changes
- 4) The Number Of MLs Required Multiplied By A Factor Of 0.8 = % By Volume
Ex) 2.5 MLs = 2%

Conductivity

* Note: Conductivity Based On New / Fresh Bath Make-up (D I Water)

1% = 300 Mhos

2% = 530 Mhos

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.

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Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

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