Master STAGES™ NOCOR® E6

Low V.O.C. Emulsion Corrosion Inhibitor Concentrate

Master STAGES™ NOCOR E6 is a super-concentrated, barium-free, water-based emulsion rust inhibitor that will protect steel, cast iron, and other ferrous parts from in-plant corrosion for up to six months. Parts coated with NOCOR E6 have a soft, almost invisible film that is easily removed using mild cleaners.

Emulsions

Protect metal parts from rust and oxidation for up to six months with super-concentrated, very economical Master STAGES™ emulsion corrosion inhibitors. Barium-free with very low V.O.C. content, environmentally friendly Master STAGES emulsion corrosion inhibitors are built for low-pressure spray, immersion, and dip applications.

Choose NOCOR E6:

- Environmental approvals are simplified because NOCOR E6 is nitrite, barium, boron, phenol, and phosphate free
- NOCOR E6 is low foaming, for use in low-pressure spray washers and flow coating operations. Dip application is also a good way to apply this product
- An excellent choice where both ferrous and/or copper alloy parts are being processed
- NOCOR E6 has a moderate pH, is practically odorless, and is nonflammable for improved safety
- Working concentration ranges from 4% - 16% which translates into much lower cost than traditional straight oil/solvent products

NOCOR E6 especially for:

Applications — corrosion inhibition, dip, flow coating, and low-pressure spray washing

Metals — cast iron, copper alloys, ferrous metals, and steels

Industries — automotive

NOCOR E6 is free of — barium, borates, nitrites, phenols, and phosphate

Master Fluid SOLUTIONS®

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Application Guidelines

- NOCOR E6 must be diluted with water by the user. There are no special mixing requirements. DI or RO water will produce a more stable emulsion and better rust inhibition, but "soft" tap water may be used. The normal dilution range is from 4% - 16% product in water.
- NOCOR E6 working baths should not be heated above 120°F as this will reduce its effectiveness. Drying with hot air up to 250°F produces good results.
- Concentrations below 4% are not recommended.
- NOCOR E6 must be allowed to dry completely prior to stacking or packaging parts and must be drained from blind holes and recesses.
- Since carry over of cleaners into the NOCOR E6 bath can reduce resistance to wash-off, and so reduce protection, you should insert a plain water rinse between washing and NOCOR E6 application if possible.
- For additional product application information, including performance optimization, please contact your Master Fluid Solutions' Authorized Distributor at https://www.masterfluids.com/na/en-us/distributors/index.php, your District Sales Manager, or call our Tech Line at 1-800-537-3365.

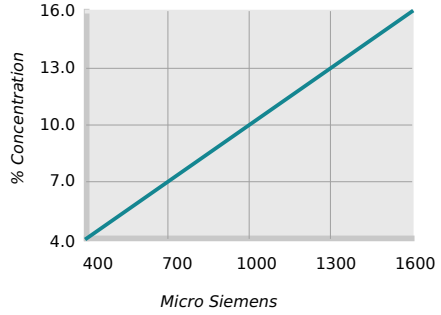
Physical Properties Typical Data

Color (Concentrate)	Brown
Color (Working Solution)	White
Odor (Concentrate)	Mild
Form (Concentrate)	Liquid
Flash Point (Concentrate) (ASTM D93-08)	> 300°F
pH (Typical Operating as Range)	8.5 - 10.0
Coolant Refractometer Factor	1.2
V.O.C. Content (ASTM E1868-10)	133 g/l
Cleaner Conductivity Factor	0.01000

Recommended Metalworking Concentrations

Design Concentration Range	4.0% - 16.0%

Concentration by Conductivity



% Concentration = Conductivity in Micro Siemens x Factor
Conductivity Factor = 0.01000

Health and Safety

Request SDS

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Mixing Instructions

- Recommended usage concentration in water: 4.0% - 16.0%.
- To help ensure the best possible working solution, add the required amount of concentrate to the required amount of water (never the reverse) and stir until uniformly mixed.

1-gallon jug
SKU: NOCORE6-1G
UPC-12: 641238042310

5-gallon pail
SKU: NOCORE6-5G
UPC-12: 641238042334

54-gallon drum
SKU: NOCORE6-54G
UPC-12: 641238042358

270-gallon tote
SKU: NOCORE6-270G
UPC-12: 641238042389

Additional Information

- Industrial use only
- Consult Master Fluid Solutions before using on any metals or applications not specifically recommended.
- This product should not be mixed with other metalworking fluids or metalworking fluid additives, except as recommended by Master Fluid Solutions, as this may reduce overall performance, result in adverse health effects, or damage the machine tool and parts. If contamination occurs, please contact Master Fluid Solutions for recommended action.
- Master STAGES™ is a trademark of Master Chemical Corporation d/b/a Master Fluid Solutions.
- The information herein is given in good faith and believed current as of the date of publication and should apply to the current formula version. Because conditions of use are beyond our control, no guarantee, representation, or warranty expressed or implied is made. Consult Master Fluid Solutions for further information. For the most recent version of this document, please go to this URL:

https://2trim.us/di/?i=na_en-us_NOCORE6

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