

nC Corrosion Passivator Fluid



PRODUCT DESCRIPTION

nC Corrosion Passivator Fluid is designed to passivate corroded metal without the need for blasting, making it ideal for enclosed and hard-to-reach areas such as (ballast water) tanks, cofferdams, peaks, and double bottoms. This single-layer solution is suitable for both dry and damp substrates and is free from solvents and heavy metals.

FEATURES

- Surface-tolerant: no blasting required.
- Passivates corroded metal.
- Minimal surface preparation; high-pressure washing.
- Suitable for both damp and dry surfaces.
- Single-layer application by brush, roller, spray or floating.
- Chemical adhesion to the metal surface.
- Free from solvents and heavy metals.

SUITABLE FOR

- Corroded surfaces.
- Damp and dry substrates.
- Enclosed spaces such as peaks, double bottoms, ballast water tanks, and cofferdams.

PROPERTIES

Viscosity:	Approx. 200 cP
Color:	Brown (liquid)
Odour:	Stable-like odour
Density:	Approx. 0.95 g/cm ³ at 20°C
Flash point:	>80°C (contains no solvents)

LOGISTICS

Store between:	5 - 35°C (<i>store out of direct sunlight</i>)
Shelf life:	Up to 5 years in the original container
Available in:	5L / 20L / 200L (drum) / 1000L (IBC)
UN number:	Not classified as Dangerous Goods <i>Product approved for air transport</i>

SAFETY / PERSONAL PROTECTIVE EQUIPMENT

Always read and understand the safety instructions on the label and in the Safety Data Sheet (SDS) before use. Strictly adhere to all local and national safety regulations. This product is intended for professional use only.

- Always use tight-fitting safety goggles, face mask, gloves and protective (long-sleeved) clothing.
- Ensure adequate ventilation, especially when working in confined spaces.

APPLICATION INSTRUCTIONS



PREPARATION WORK

- The surface can be dry or damp. Standing water and mud must be removed.
- Remove loose rust (flakes, etc.) and loose coatings.
- This is a direct-over-rust application; blasting is not required.
- High-pressure cleaning (>500 bar, rotating) is recommended for surface preparation.
- Previously coated surfaces with good adhesion will remain intact but may retain grease after treatment.
- Processing temperature:

Ambient temperature	Minimum 4°C to maximum 35°C.
Surface temperature	Should not exceed 35 °C.
Product temperature	Ensure the Fluid is warmer than 8°C during application.

APPLICATION

- Stir well before use (3-5 minutes).
- DO NOT use any thinners.
- Apply with a brush, roller, (airless) spray, or floating method.
- Not suitable for overpainting.

FOR SPRAY APPLICATION:

- Theoretical coverage: **5 m²/L**.
- Ideal product temperature for spraying: Between 15°C and 30°C.
- Ensure proper ventilation (positive pressure), especially in enclosed spaces.
- Use an airless spray gun with a nozzle size of 0.8-1.3 mm.
- For smaller areas, a pressure cup with a spray gun is also suitable.

FOR FLOATING APPLICATION

- Theoretical consumption: **1 m³/L**.
- Ideal water temperature: Between 10°C and 30°C.
- If the tank top cannot be reached with water, treat it first with a spray gun, roller, or brush.

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- Distribute the product between the frames at the bottom of the tank to ensure optimal surface coverage.
- When using a submersible pump with a water hose, keep the hose as deep as possible in the tank during filling to ensure proper flow.
- Filling speed should not exceed 20 cm per minute.
- Both fresh and salt water can be used for floating. Preferably use fresh water.
- Fill the tank to its maximum level to ensure the entire tank top is reached.
- When draining the tank, ensure the water level does not drop faster than 20 cm per minute.
- **For heavy corrosion:** Severely corroded surfaces should be treated twice. This can be done by spraying, rolling, or brushing, or through two floating cycles (full to empty).
- Process wastewater according to applicable regulations.
- **ADVICE:** It is recommended to pump from tank to tank to 'reuse' excess material.

IMPORTANT

- Avoid contact with chemicals or soaps.
- Do not take in ballast water during the first 48 hours.

NOTE

The information provided in this data sheet is based on our experience and to the best of our knowledge, but is non-binding. They must be adapted to the respective objects, intended uses and the particular local conditions. In outdoor use, color changes and surface degradation may occur depending on UV and weather exposure and aggressive climatic conditions. It is therefore recommended that, depending on the object and load, a test surface is created. Recommendations by our employees that deviate from the information in our data sheets are only binding for us if they are confirmed in writing. In any case, the generally recognised rules of technology must be observed. Otherwise, our general terms and conditions apply exclusively.

Older editions lose their validity. If a new edition is technically revised, this edition becomes invalid.