Product features

Corrosion Passivator - Fluid is designed for passivating metal in difficult or impassable areas such as (ballast water) tanks, hoppers, spikes, double bottoms and pipes without environmentally damaging and time-consuming chopping, blasting and painting. The passivator stops the corrosion process and maintains a stable metal thickness in both fresh and saltwater environments.

- Direct-over-rust solution: no buffing, blasting or sanding necessary;
- Stops and prevents corrosion: active for up to 8 years in salt water and up to 15 years in fresh water;
- Contains no solvents or toxic substances;
- Adheres chemically into the metal surface;
- For both damp and dry surfaces.

Suitable for

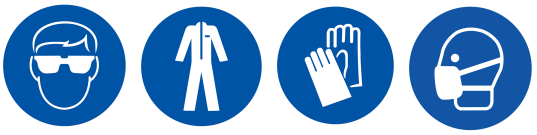
- Corroded or water blasted metal
- Enclosed areas such as pinnacles, bunkers, ballast water tanks, cofferdams, pipelines

Characteristics

Viscosity	200cP
Colour	Brown transparent liquid
Odor	Stable odor
Solids	10%
Density	ca. 0,95 - 1 g/cm³ / 20°C

Logistics

Store between 0°C and 50°C
Storage >15 years in well-sealed packaging
Available in 1L, 5L, 20L, 200L packaging
No UN number
Product free for air transport



Prep work

- Aerate rooms properly if working in enclosed spaces.
- Check the air quality with appropriate equipment.
- If working with spraying equipment: ensure good ventilation (overpressure).
- Remove mud and loose rust or paint, e.g. by high pressure washing.
- Blasting or chipping is not necessary but can be done if a tight result is desired.
- Surface to be treated may be dry or damp but remove standing water.
- Ensure that the Fluid is warmer than 8 °C during application.
- Already coated surfaces with good adhesion remain unaffected.

Application

Safety / Personal protective equipment

- Use close-fitting safety glasses or mask: EN 170, EN 166.
- Protective clothing: preferably disposable /(rain) coveralls.
- Gloves must comply with standard EN 374 of EU Directive 89/686/EEC.
- Dust mask for spray work: FFP2 or higher.
- Work shoes or cap boots with steel toe caps and S3 sole.
- Do not eat, drink or smoke during application.
- Wash hands and face thoroughly after each stop or break.
- TIP: Application can be done while boating, during docking or when moored. Choose the most economical way!

Handling

- Product is ready to use. Do NOT use thinner.
- Stir or shake well before use.
- Processing temperature between 0 °C and 40 °C.
- Apply by brush, roller, spray or by floating.
- Not paintable.
- In case of ballast tank: tank ready for use after 4 hours reaction time.
- Dispose of waste water according to applicable regulations.
- Consumption ranges from 0.8 - 1.2 m3 / 4.8 - 7.2 m2 per liter, depending on the amount of corrosion.
- For heavy corrosion: heavily corroded surfaces should be treated 2 times. This can be done by spraying, rolling or brushing or by 2 cycles of floating from full to empty.
- Already coated surfaces with good adhesion of paint or coating remain unaffected.

In case of spraying

- Ensure good ventilation (overpressure).
- Use an airless sprayer or barrel spray gun with a nozzle size of 0.8 - 1.3 mm.
- Ideal temperature of Fluid for spraying is between 15 °C and 30 °C. Brushing or rolling is always possible.

In case of floating

- The water temperature should ideally be between 10 °C and 40 °C.
- If tank top cannot be reached with water, treat it first with spray, roller or brush.
- Distribute the nC Corrosion Passivator Fluid between the trusses at the bottom of the tank for optimum surface distribution.
- If filling with pump and water hose: During filling, keep the hose as deep as possible in the tank for proper flow.
- Fill rate not to exceed 20 cm per minute.
- Either fresh or salt water can be used for floating.
- Fill the tank to the maximum level so that the entire tank top is reached.
- When pumping the tank: make sure the water does not drop faster than at 20 cm per minute.
- TIP: It is advisable to pump from tank to tank to "reuse" any excess.
- Dispose of wastewater according to applicable regulations.

ATTENTION: Avoid contact with chemicals or soaps for the first 24 hours. These interfere with the cross-linking process.