

FUNCTION

Ready-to-use, liquid-form and organic **corrosion inhibitor**, for **ferrous** metals in contact with aqueous solutions of **neutral-to-alkaline** pH range.
Anticorrosion agent for **temporary protection** of metals against **atmospheric corrosion**.

APPLICATION

Mainly used for :

- Metal **degreasing** and **cleansing** operations used during metal-working procedures ;
- The **temporary protection** of metals during their transport and storage periods ;
- **Alkaline detergents** in contact with metal substrates.

FEATURES

- Fully **water-soluble** liquid
- **Non-flammable**
- **High protective power** against flash-rust of ferrous substrates
- Free of **bore, phosphate, molybdate, silicate** or **nitrite**
- Made exclusively of substances authorized for **food-contact cleaners***

INCORPORATION / DOSAGE

Can be **directly added** to the solution to be treated, without any pre-mix or neutralization step.

Indicative use dosages (% of total end-solution weight)

- **Degreasers/Detergents** : **0,5 to 1%**, depending on the solution pH-range.
- **Temporary protection** : **4 to 10%** depending on the desired protection period.

When used for **temporary protection only**, the product should be diluted in soft water and applied onto metal substrates :

- by dipping ;
- by spraying (depending on the spray pressure, a defoamer can be recommended) ;
- or by brushing.

PROPERTIES

Chemical nature :

Aqueous preparation made of organic acid salts.

Appearance : yellow to amber limpid liquid.

Density (20°C) : 1,04 ± 0,02

pH pure (20°C) : 11,7 ± 0,3

Viscosity (20°C) : 90 ± 20 cps

Freezing point : < 0°C

Miscibility :

Water :	miscible
Ethanol :	miscible
Isopropanol :	miscible
Glycols :	miscible
Acetone :	miscible up to 1%
White-Spirit :	non miscible

PACKAGING

Plastic pail of **30kg** net.

Metal drum of **200kg** net.

IBC of **1000 kg** net.

STORAGE

Ideal **temperature conditions** : 0 to 30°C.

Exposure : avoid direct exposure to sunlight.

Expiration : 2 years in its original sealed drum, in the storage conditions described above.

With the time, the colour of the product may turn darker, but it does not modify its properties.

TRANSPORT

This product is **classified** for transport (see MSDS).

Weight and packaging size** (off-pallet) :

Pail : 1,5kg - Ø30, H50

Drum : 15kg - Ø60, H90

IBC : 70kg - L120, l100, H120

HANDLING / SECURITY

Refer to updated Material and Safety Data Sheet.

*: according to decree of 08/09/99

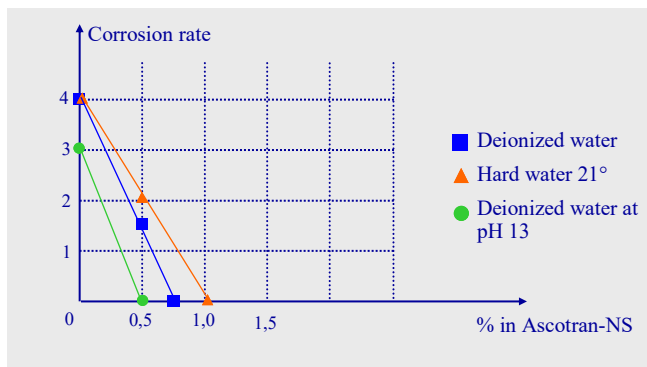
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PERFORMANCE

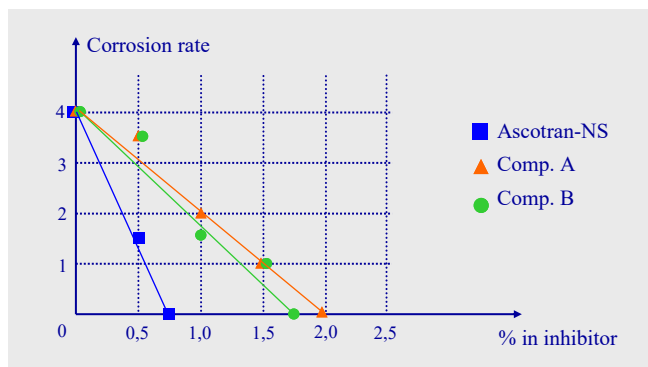
Protection by contact or short immersion

Method : DIN 51360/part2

Performance in various media (adjustment with NaOH if necessary) :



Comparative studies with our competitors' inhibitors :
Medium : deionized water.
Competitor A and B : liquid corrosion inhibitors.



Protection against atmospheric corrosion

Method : climatic chamber, 25°C, 100% of humidity
Substrate : Mild-Steel, immersed a few minutes in the solution combined with inhibitor.

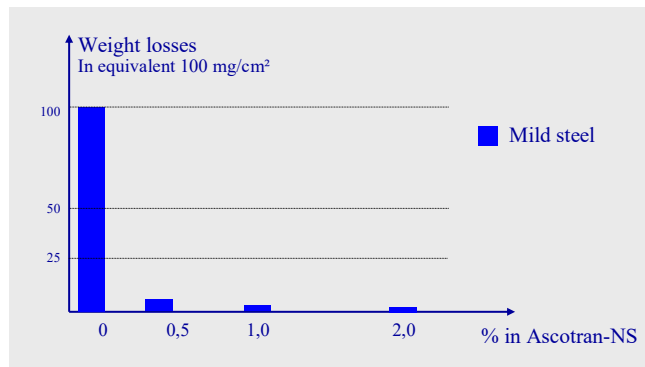
Maximum exposure duration without any corrosion of the substrate :

% in Ascotran-NS	0 %	2%	5%	10%
Mild Steel	<24h	300h	500h	>500h

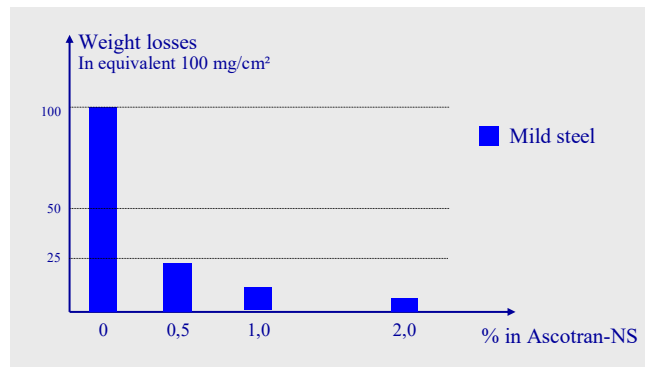
Protection of ferrous metals in alkaline media

Method : IP329; 50°C, 330h

Performance at pH 10 (deionized water) :



Performance at pH 13 (deionized water) :



Note : The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests ; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.