

FUNCTION

Ready-to-use, liquid-form and organic **corrosion inhibitor** for **ferrous** and **non-ferrous** metals, being in contact with **neutral-to-alkaline** aqueous solutions.

APPLICATION

Mainly used in :

- Glycol or alcohol-based **heat-transfer fluids** or **coolants**;
- **Antifreeze fluids** and **de-icing solutions**.

FEATURES

- Fully **water-soluble** liquid
- **Non-flammable**
- **Non foaming**
- Protects efficiently **copper and alloys**
- Protects efficiently against **galvanic corrosion** of metals
- **Free from bore, phosphate, molybdate, silicate or nitrite**
- **Stable in hard waters**
- Exclusively made of authorized substances for **food-contact cleaners***

INCORPORATION / DOSAGE

Can be **directly added to the solution** to be treated.
pH can be adjusted if necessary, with mineral or organic base as preferred.

Indicative use dosages (% of total end-solution weight)
1,5 to 4 % depending on the solution nature.

HANDLING / SECURITY

Refer to updated Material and Safety Data Sheet.

*: according to decree of 08/09/99
** : non-contractual data

PROPERTIES

Chemical nature :

Aqueous preparation made of organic acid salts and azole derivatives.

Appearance : yellow limpid liquid.

Density (20°C) : 1,11 ± 0,02

pH pure (20°C) : 7,8 ± 0,3

Viscosity (20°C) : 58 ± 10 cps

Freezing point : < -5°C

Foaming power : null

Miscibility :

Water : miscible

Ethanol : miscible

Isopropanol : miscible

Glycols : miscible

Acetone : miscible

White-Spirit : non miscible

PACKAGING

Plastic pail of **30 kg** net.
Metal drum of **200 kg** net.
IBC of **1000 kg** net.

STORAGE

Ideal **temperature conditions** : -5 to 30°C.

Exposure : avoid direct exposure to sunlight.

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

With time, the colour of the product may turn darker, but it doesn't modify its properties.

TRANSPORT

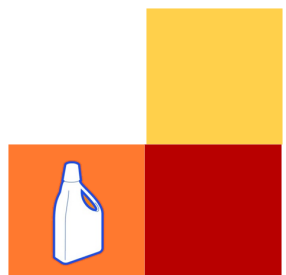
No specific condition for transport.

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

Pail : 1,5kg - Ø30, H50

Drum : 15kg - Ø60, H90

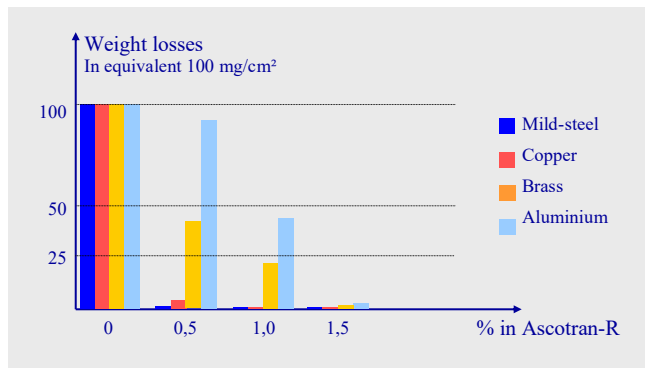
IBC : 70kg - L120, l100, H120



PERFORMANCE

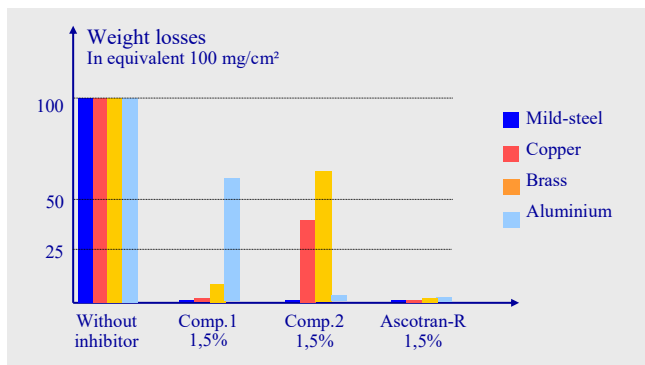
Galvanic protection

Method : ASTM D1384
Medium : corrosive water / EG mixture (ref. standard).



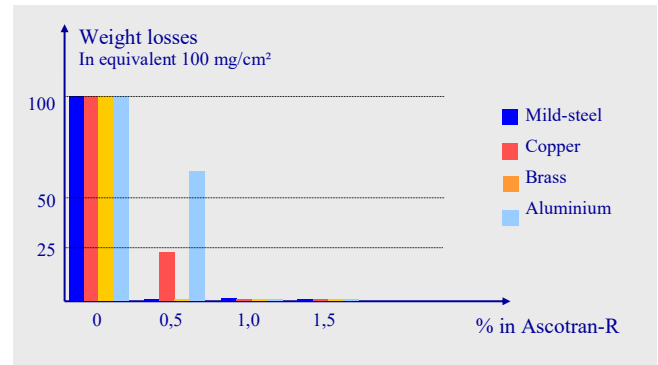
Comparitive studies with competitive inhibitors :

Method : ASTM D1384
Medium : corrosive water / EG mixture (see standard).
Competitor 1 & 2 : liquid multi-metallic corrosion inhibitors.



Multi-metallic protection

Method : IP329; 50°C, 330h
Medium : deionized water adjusted at pH≈9 with NaOH if necessary.



Cuprous metals protection

Method : ASTM D130, 3h, 100°C
Medium : hydrosoluble oil, ready-to-use.

Comparative study with azoles :

BZT : pure benzotriazole ; TT : pure tolyltriazole

	0	50 ppm	100 ppm
Ascotran-R	3b	1a	1a
BZT	3b	1b	1a
TT	3b	1b	1a

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.

