

EMADOX[®] ICP

CORROSION INHIBITOR
ANTI FLASH-RUST ADDITIVE



TECHNICAL SHEET

DESCRIPTION – COMPOSITION

EMADOX[®] ICP protects the water based formulations (glues, coatings, paints...) from the flash-rust phenomenon observed during the application and drying stages.

EMADOX[®] ICP is a ready to use aqueous solution combining several corrosion inhibitors.

EMADOX[®] ICP is **VOC* free, nitrite free** and **European Ecolabel* compliant**.

APPLICATIONS - DOSAGE

EMADOX[®] ICP is mainly recommended for:

- **flash-rust protection** of water based formulations based on acrylic, alkyd, epoxy polyurethane dispersions or emulsions.
- **in-can protection** for metal packaging filled with above products

EMADOX[®] ICP must be added preferentially in the letdown, before the rheological agents. The use in post-addition is also a possible option.

The use levels are:

- **typically, from 0.2 to 1%** based on the total weight
- exceptionally, for sensitive metal substrates, 1.5 to 2% based on the total weight

There is no advantage to use higher levels. On the contrary, a too high dosage can increase the water sensitivity of the dry film.

CHARACTERISTICS

Aspect: yellow liquid

Density: 1.05 - 1.15 at 20°C

pH: 8.0 - 9.0 at 20°C

Solubility: Water soluble in all proportions

EMADOX[®] ICP can release an odour specific to its composition, even in the dry film, for a prolonged period of time.

STORAGE - SHELF-LIFE

EMADOX[®] ICP is frost sensitive. It must be kept at temperature above 0°C.

It is recommended to use **EMADOX[®] ICP** within the year following its manufacture (see the expiration date on the label).

LABELING

EMADOX[®] ICP is classified in category 2 "Irritating to eyes".
For further information, please consult the MSDS.

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REGULATORY INFORMATION

EMADOX[®] ICP components are registered on the following inventories:
EINECS (Europe), ENCS and ISHL (Japan), TCSI (Taiwan).

COMMENTS

EMADOX[®] ICP is active on steels, galvanized steels, aluminum.

EMADOX[®] ICP formulation has been adapted in order to have every components listed on the TSCA (USA) and DSL/NDSL (Canada) inventories.

This version is available under the trade name **EMADOX[®] ICP-C**.

PACKAGINGS

Polyethylene pails of 20 kg and 30 kg net

Metallic drums of 225 kg net

Polyethylene IBC of 1100 kg net

Non-returnable packages.

*VOC: volatile organic compounds defined by the Directive 2004/42/EC

*European Ecolabel: see Commission Decision 2014/312/EU

The information given in this document is based on the present state of our knowledge. All recommendations are made without any liability on our part. Buyers and users should make their own assessments of our product under their own conditions and for their own requirements.