



TECHNICAL DATA

HALOX[®] 630

Liquid Organic Corrosion Inhibitor

Chemical Description

Alkylammonium Salt Solution, 70% active substance in xylene

Product Description

HALOX[®] 630 is a liquid organic corrosion inhibitor for solvent based protective coatings on metal surfaces. HALOX[®] 630 may be used in solvent-borne clear or pigmented coatings.

HALOX[®] 630 may be used in systems such as: 2 pack epoxy systems, high solids epoxy esters and alkyds, acrylic resins, and 2 pack polyurethane primers.

In bake systems, temperature should not exceed 150°C. With reactive isocyanates slight yellowing may be observed. Superior corrosion resistance has been observed over poorly prepared surfaces, such as adherent rust or oil contamination.

Application*

Recommended concentrations range from 1-3% HALOX[®] 630 (as supplied) based on total formula weight. The amount of HALOX[®] 630 required for optimum performance should be determined in trials over the recommended concentration range.

Solubility

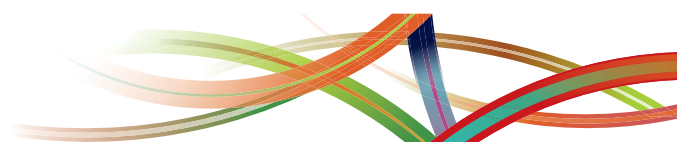
(g active substance/100 g solution) at 20°C

Mineral spirit	>50
Isopropanol	>50
n-Butanol	>50
Benzyl alcohol	>50
n-Butyl acetate	>50
Methyl isobutylketone (MIBK)	>50
Propylene glycol methyl ether (PM)	>50
Xylene	>50
Water (pH 7)	<0.01

Typical Properties

These are typical values and do not represent product specifications:

Appearance	Slightly yellow solution
Dynamic Viscosity @ 20°C	160mPa.s
Flash Point (CC)	25°C (77°F)
Specific Gravity @ 25°C	0.99
pH (Neat)	7.5
Density (lbs/gal)	8.3



Our Manufacturing Systems are ISO 9001 and ISO 14001 Certified

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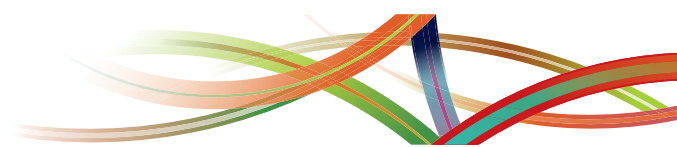
Liquid Organic Corrosion Inhibitor

Incorporation

HALOX[®] 630 may be incorporated by post-addition to finished systems. Where applicable, add to the polyol of a 2 pack polyurethane, or to the amine/amide part of a 2 pack epoxy.

Avoid hardeners containing traditional cycloaliphatic amines such as isophoronediamine (IPD). Modified polyamidoamine hardeners such as: Aradur[®] 283 US (Huntsman) and polyamide-type curing agents such as: EPIKURE[®] 3155 (HEXION) or equivalent are compatible. Occasional viscosity increases can be avoided by pre-cutting with benzyl alcohol.

If you are removing a heavy metal based anti-corrosive pigment, compensate for its removal with an extender pigment so that the ratio PVC:CPVC remains constant. However, HALOX[®] 630 can be used in conjunction with anti-corrosive pigments, preferably based on compounds defined as non-toxic or reportable under applicable regulations. Check compatibility, shelf life (e.g. accelerated at high temperature), cure and pot-life, if applicable. Other formulation variables may also be optimized, for example, dispersants, surfactants, and PVC:CPVC ratio.



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