



TECHNICAL DATA

HALOX[®] 550

Sol-Gel Liquid Corrosion Inhibitor

Product Description

Inorganic-organic hybrid corrosion inhibitor

Application Description

Additive for paint: Protection of water based and solvent based coatings: Examples: clear coats, direct-to-metal, latex primers, thin film coatings, acrylic emulsions, water-dispersible alkyds, alkyd emulsions, polyesters, epoxy, urethane, and high gloss coatings.

Coating Type	Binder (Resin)					
	Acrylic	Alkyd	Epoxy	Urethane	Hybrids	Other
Water Based	1-4%	0.5-2.0%	1-4%	0.5-3%	0.5-4%	0.5-4%
	1-4%	0.5-1%	1-2%	0.5-1% Check compatibility in polyol side	1-2%	0.5-4%

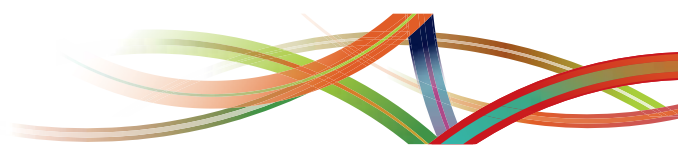
Suggested synergisms with anticorrosive pigments, examples:

HALOX[®] SZP-391 (3%, 2%) and HALOX[®] 550 (3%, 1%); HALOX[®] 430 (3%, 2%) and HALOX[®] 550 (3%, 1%, 0.5%); HALOX[®] CW-2230 (6%) and HALOX[®] 550 (1.5%).

Product Advantages

HALOX[®] 550: offers multiple advantages:

- Thin film applications (<10 µm) – easy to disperse – post-addable – Reduces white rust on galvanized – reduces black rust on Galvalume[™] – increases hydrophobicity – Improves anti-fingerprint – no effect on gloss – compatible with water and solvent based coatings - Reduces silver, aluminum oxidation – high temp stable – pH stable – low freeze point.



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Inorganic-organic hybrid corrosion inhibitor

Application Description

Rust Inhibitor for Metal: Pretreatment of bare metal as temporary rust inhibitor for cold rolled steel, blasted steel, aluminum and galvanized. Product can impart corrosion resistance to final metal rinsing solutions.

Follow recommended solution recipes below:

	Rust Inhibiting Post-Treatment Sealer (Rust Preventative)				
Pre-Mix in order	5% sol	10% sol	1-4%	15% sol	25% sol
Ethyl alcohol *	47.5	45	42.5	40	37.5
DI water	47.5	45	42.5	40	37.5
HALOX[®] 550	5	10	15	20	25

% = Total formulation weight (TFW) *other solvents: Butyl Cellosolve[™], isopropyl alcohol, polyethylene glycol, etc.

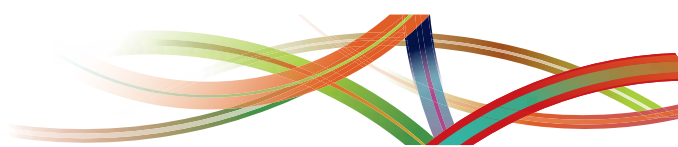
References

As defined by TSCA, these composite pigments are classified as mixtures. All components of these mixtures are listed in the TSCA Chemical Substances Inventory.

Typical Properties

These are typical values and do not represent product specifications:

Appearance	Clear/colorless liquid
pH (neat)	7.0
Specific Gravity, g/cc	0.990
Solids (ASTM D2369)	40-42% wt
Flash Point (PMCC)	76- 90° F (24-32° C)
VOC (EPA meth 24)	3.71 lbs/gal (445 g/L)



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