A Division of **ICL Performance Products**
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RESPONSIBLE CARE®
OUR COMMITMENT TO SUSTAINABILITY

TECHNICAL DATA

HALOX® 350

Organic Corrosion Inhibitor

Chemical Description
Organic Di-Acid

Product Description
HALOX® 350 is a more active 97-100% solids organic corrosion inhibitor designed to stop flash rust, in-can corrosion, and provide temporary corrosion protection. HALOX® 350 is an effective replacement for toxic nitrite based flash rust inhibitors.

Application*
Recommended dosage: 0.2-0.8% HALOX® 350 (of 30% solution) based on total formulation solids.

The amount of HALOX® 350 required for the best performance should be determined by trials over the recommended dosage range.

Typical Properties
These are typical values and do not represent product specifications:

pH (10 wt% sol)	3.3
Active solids	97-100%
Appearance	Slightly yellow powder
Density (g/ml) 1.57	1.57
Melting point	Approx. 170°C (decomposition)

Incorporation
A pre-neutralized solution of HALOX® 350 in water should be prepared using an amine that is volatile under your curing conditions, then post-add or add to the letdown.

A neutralization example:

HALOX® 350 (30% solution)	**Weight**
De-ionized Water	53.0
28% Ammonium Hydroxide	19.0
HALOX® 350	27.7
Total:	100.0

Stir slowly, adjust to pH 8-9

In general, add the aqueous concentrate to the amine/amide part of a 2 pack epoxy or to the polyol of a 2 pack polyurethane. If possible, avoid systems with acetic acid. Use surfactant stabilized hardeners instead.

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.

Our Manufacturing Systems are ISO 9001 and ISO 14001 Certified