

TECHNNICAL DATA SHEET

InvoCor TCI – 1730 (S and W)

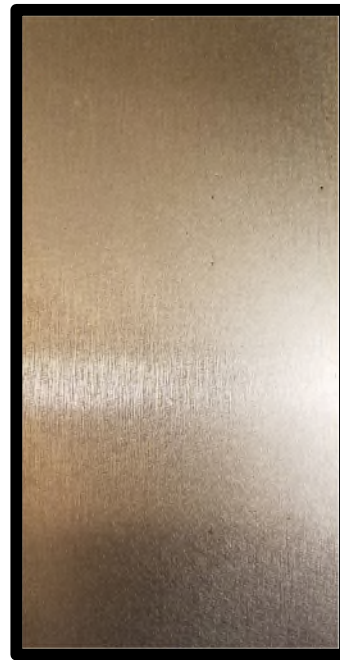
APPLICATIONS:

InvoCor TCI-1730 is a liquid organic corrosion inhibitor for protecting ferrous substrates. They have been specifically designed to be used as either a temporary corrosion inhibitor (TCI/rust preventative) intended to provide protection to ferrous metals during periods of inside storage, or as corrosion inhibitors in protective coatings. They are neutral in pH and are available in two different solvents: isopropanol and water. The **InvoCor TCI-1730S** is cut in isopropanol for increased compatibility, and is readily soluble in water, mineral oil, and nitrocellulosics. **InvoCor CI-1730W** is cut in water for compatibility in most water-based resin systems.

The **InvoCor TCI-1730's** are film forming inhibitors; forming a hard, clear, dry film on ferrous substrates upon evaporation. These thin films are non-staining and are typically dry to touch in less than 2 hours. Typical loading levels for short term protection are 1% - 5%, loadings for longer term protection range from 5% -20%. Application can be by spray, dip, or brush and protection is for several months of indoor storage or in transit conditions. They also can be incorporated into “strippable” emulsions to provide extended temporary corrosion protection.



Blank Control
Mineral Oil Brush Applied to a
Sanded Q-Panel.
48 Hours Humidity, Horizontal
Orientation.



InvoCor TCI-1730S @ 5% Loading
Mineral Oil Brush Applied to a
Sanded Q-Panel.
48 Hours Humidity, Horizontal
Orientation.

TYPICAL PHYSICAL PROPERTIES:

	<u>InvoCor TCI-1730S</u>	<u>InvoCor CI-1730W</u>
pH: (10% Dilution in Water)	8.0	8.0
Specific Gravity:	0.83 g/cm ³	0.997 g/cm ³
Weight per Gallon:	6.93 lbs.	8.325 lbs.
% Active:	30	25
Appearance:	Clear Yellow Liquid	Clear Yellow Liquid
VOC:	70% by Weight 74% by Volume	10% by Weight 9.7% by Volume

InvoCor TCI-1730 can also be as corrosion inhibitors in protective coatings, typical loadings are 0.5%-3%. Improved long-term corrosion protection is possible by using **InvoCor TCI-1730** in conjunction with an inhibitive pigment such as **InvoCor CI-3365** or **InvoCor CI-7025** (good starting point is a 1:1 ratio and total inhibitor loadings 1% - 3%).

InvoCor TCI-1730, as defined by TSCA, is a mixture. All components of this mixture are listed in the TSCA Chemical Substances Inventory, the Canadian DSL and EINECS.

CUSTOMER NOTICE:

Invotec MA LLC provides this information in good faith but makes no representation as to its comprehensiveness. Our products are intended for industrial use only. We cannot foresee how each customer may use the product in connection with its manufacturing and/or sales operation. Therefore, we cannot and do not warrant that the product will produce the results desired or expected by each customer under varying circumstances. It is the ultimate responsibility of each customer to determine the suitability of the product. Therefore, we strongly urge customers to vigorously pursue their own testing program in order to determine the suitability of our product to meet their requirements.

Imagination × Ingenuity + Implementation

“True innovation is the product of *imagination* and *ingenuity* combined with the unique ability to *implement* results to the maximum benefit of all our valued stakeholders.”