



Type of Bulletin: Technical Product Bulletin

Product Title: P3 Prevox 505

Product View:

Description: Corrosion Inhibitor

Status:

complete

# Technical Product Bulletin

Technical Product Bulletin No. 260266

This Revision: 01/19/2005

P3 Prevox 505

Corrosion Inhibitor

## PRODUCT SUMMARY AT A GLANCE

<b>Product type</b>	Synthetic
<b>Metal type</b>	Steel, Cast Iron
<b>Application</b>	Corrosion Inhibitor

**Product Technology:** P3-Prevox 505 is a synthetic corrosion inhibitor designed for short-term corrosion protection on ferrous alloys. Its unique composition provides a durable, low foaming product for today's moderate duty corrosion protecting needs.

### Typical Properties:

Property	Concentrate	Dilution
Appearance	Light Amber Liquid	Pale Transparent
pH	10.7	9.9 @ 3%
Refractometer Multiplier	1.92	
Film Type	Non-tacky, clear fluid	

**Operating Summary:** P3-Prevox 505 is generally used between 3 to 20% in water for most operations. P3-Prevox 505 provides short-term indoor protection. Results are typical with normal production practices and do not constitute a specification. Consult your HST Representative for more specific recommendations on your particular operation and conditions.

**Application Technologies:** Dip, airless spray, and other techniques are suitable for application to the metal surface. Peak metal temperatures should be kept under 200 deg F. when drying parts. If temperature exceeds 200 F, tests should be conducted to confirm rust protective properties. Consult your HST Representative for more specific recommendations on your particular operation and conditions.

**Product Removal:** P3-Prevox 505 can be removed by most alkaline and neutral cleaning systems. Consult your HST sales representative for more specific cleaning product recommendations.

**Product Control Test Method:**

**Titration Procedure:** Pipette a 50 mls sample of the P3-Prevox 505 bath into a beaker. Add 4 to 6 drops of Indicator Solution 4 (methyl orange). Fill the automatic burette to the zero mark with Titrating Solution 60 (1.0N Hydrochloric Acid). While stirring the sample, slowly add Titrating Solution 60 until the yellow-orange color turns pink. Record the number of milliliters used. To determine the concentration, multiply the reading by 0.52 or obtain from the table below.

% P3-Prevox 505	mls of HCL
3	5.76
7	13.5
15	29
20	38.5

**Storage requirements:** P3-Prevox 505 should be protected from freezing. Store P3-Prevox 505 above 40°F and below 100°F for best results.

**Waste Disposal:** Please follow all applicable Federal, state and local regulations regarding proper disposal of this product.

For more information about Henkel Surface Technologies products and services, please contact your local HST representative or call our Technical Help Desk at (248)-577-2336.

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