



HEATBATH® CORPORATION



---

---

## Pickling with Phosphoric Acid

### Phosphoric Facts:

- Phosphoric Acid based pickling products can be used over a wide range of operating concentrations (10-50% by volume) and temperatures (ambient to 180°F) to remove oxides, scale and rust.
  - Phosphoric Acid pickling is safe for all metals with the exception of zinc, cadmium and magnesium.
  - Phosphoric Acid is the only pickling acid allowed for surface preparation according to Federal Specification TT-C-490F - Method VI. Destain C has had great success for this application!
  - Less fuming when compared to Hydrochloric or Sulfuric Acids.
  - Surfactants can be added to the phosphoric acid to improve cleaning, reduce drag out, afford better rinsing and produce a foam blanket on the surface of the working bath.
  - Inhibitors can be added to the phosphoric acid to further protect the base metal from undo attack.
  - Solvents and Dispersants can also be added to aid in cleaning and suspend soils, preventing them from re-depositing on work.
- 
-

## An Overview of Product Offerings:

Product Name	Phosphoric Acid Content	Surfactant	Inhibitor	Solvent	Dispersant	Application by Spray or Immersion
Destain	High	✓	✓	NO	NO	Immersion
Destain B	High	✓	✓	NO	NO	Immersion
Destain BG	High	✓	NO	NO	NO	Immersion
Destain C	High	✓	NO	✓	NO	Immersion
Destain CM	Very High	✓	NO	✓	✓	Immersion
Destain RC	Very High	✓	✓	NO	NO	Spray or Immersion
Phosit	Moderate	✓	NO	NO	NO	Immersion

---

Additional information on [Acid Pickling Products](#) is available on our website. Your Technical Representative can assist in determining which Phosphoric Acid formulation best suits your application.

[Contact Us](#)

---

---

### Heatbath

(413) 452-2000

[www.heatbath.com](http://www.heatbath.com)



---

---

STAY CONNECTED:

