



Cal 1550

Soak Cleaner for ferrous and Non Ferrous metals

Cal 1550 is a caustic mixture, made of dry, granular, free-flowing materials and wetters. This material is designed to be dissolved in water and used as a soak cleaner for ferrous and non-ferrous metals, which includes Copper and its alloys. The solution is used at temperatures ranging from 130° to 190° F.

EQUIPMENT

Cal 1550 solutions must be contained in Alkaline-resistant tanks such as polypropylene, polyethylene, PVC or rubber lined steel, steel or stainless.

Heated solutions should be ventilated.

Appropriate immersion heaters should be used for heating the solutions in over the side heating applications.

SOLUTION MAKE-UP AND USE

Some experimentation should be performed prior to charging the production tank with properly prepared sample parts using various concentrations of a **Cal 1550** solution, immersion times and temperatures.

Cal 1550 is used at 4 to 16 ounces per gallon of water. Lower concentrations are used with zinc and copper surfaces. Activity of the solution will be enhanced by elevated temperatures up to 190° F.

SOLUTION MAINTENANCE

Small periodic additions of the **Cal 1550** cleaner are made to the solution to maintain the desired degree of activity. The solution is to be disposed of only when its effectiveness is reduced by the accumulation of dissolved metals, dirt, oil, grease, etc.

The strength of the solution may be determined by the following burette titration procedure:

Titration Procedure:

6231 Maywood Avenue ▪ Huntington Park, CA 90255 ▪ Phone: 323-585-2178 ▪ Fax: 323-585-3087

1. Take a 5 ml sample of the solution and cool to room temperature.
2. Place sample into a clean 125 ml Erlenmeyer flask.
3. Add 3 drops of Phenolphthalein as an Indicator.
4. Titrate with 6.0 N Sulfuric acid to a clear or milky color.
5. Concentration of Cal 1550 (oz/gal). # of drop to clear solution x the factor of 1.0

CAUTION

Cal 1550 contains caustic soda, all normal and prudent precautions should be observed This product may cause skin and eye irritation.

Eye protection, rubber gloves and a rubber apron must be worn when working with **Cal 1550** and its solutions.

Avoid prolonged contact with skin.

In case of contact with skin or eyes, flush freely with running water for at least 15 minutes.
For eyes, get medical attention.

Care should be taken to avoid contact of **Cal 1550** and its solutions with Acidic materials.

Do not mix **Cal 1550** or its solutions with any other chemicals.

Before using **Cal 1550** the **MATERIAL SAFETY DATA SHEET** furnished by Cal Pac Chemicals Co. Inc. must be read and the specific instructions and precautions followed to assure correct use and personal safety.

PACKAGING

500 pound (net) non-returnable containers.

IMPORTANT NOTICE! For Industrial Use Only

The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: sellers and manufacturers only obligation shall be to replace such quantity of the product as proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. **Neither seller nor manufacturer shall be liable either in tort or in contract for any loss or damage, direct, incidental or consequential, arising out of the use or the inability to use the product.**