



Tech Data: PERASAN® C-5 (Sanitizer/Disinfectant)

EPA Number: 63838-13

Applications

Used in the dairy, food and beverage processing industry for CIP pipeline cleaning, sanitizing, bottle and filler sanitizing, and disinfection. It is also used in the treatment of cooling water, process and wastewater. Also, primary uses are for slime and biofouling control, sulfite and odor reduction, and for cleaning UF and RO membranes. Peroxyacetic acid solutions are also used for disinfection in human and veterinary applications including hospitals. Use dilution for equipment sanitation is **1 to 2.3 oz per 5 gal.** of water. Use dilution for disinfection for broad spectrum organisms is 2.3-20 oz. per 5 gal of water. A potable water rinse is not necessary if less than 2.3-oz/5 gal is used (200 ppm active PAA).

Properties

PERASAN C-5 has a high oxidation potential and is very reactive. It exhibits excellent bactericidal and fungicidal activity against a wide range of microorganisms in cold or warm water. Product is stable for a minimum of 1 year under normal conditions.

Chemical Composition

PERASAN C-5 is an equilibrium mixture of peracetic acid, hydrogen peroxide, acetic acid, proprietary ingredients, and water.

Peracetic acid (% wt.) 4.7-5.1

H₂O₂ (% wt.) 22-23

Acetic acid (% wt.) 7-8

Stabilizer (% wt) <0.6

Physical Properties

Density 20°C (68°F), (g/ml) 1.12

Vapor Pressure 20°C (68°F), (mbar) 27

pH 10% solution, 20°C (68 °F) 1.8

pH 1% solution, 20°C (68 °F) 2.8

Flash Point °C (°F) DIN 51584 >98° (207)

Freezing Point °C (°F) -5(-23)

Appearance

Clear, colorless liquid (pungent vinegar-like odor)

Storage

The PERASAN C-5 container must be stored in an upright position. The storage area should be well ventilated and **shaded from sunlight** as well as protected from sources of radiant heat. Contamination of the product, especially heavy metal ions and alkali, must be avoided.

Shelf Life

At least one year without notable loss of active oxygen if stored properly.

Packaging

5 gal (45 lb), and 53.5 gal (500 lb) plastic pails and drums.

Transport (DOT)

Hydrogen Peroxide and Peroxyacetic Acid Solution, stabilized, 5.1, (8), UN 3149, PG.II

ENVIRO TECH CHEMICAL SERVICES, INC. 500 Winmoore Way, Modesto, CA 95358 209-581-9576

All information and statements contained herein are believed to be accurate at the time of publication, but Enviro Tech Chemical Services, Inc. makes no warranty with respect thereto, including but not limited to any results to be obtained or the infringement of any proprietary rights. Use or application of such information or statements is at user's sole discretion, without any liability on the part of Enviro Tech. Nothing herein shall be construed as a license of or recommendation for use which infringes upon any proprietary rights. Use of this product shall be the sole responsibility of user, and Enviro Tech shall not be liable in any way for said use, other than reimbursement for the actual cost of product.