



PERASAN® 'L' (Antimicrobial Solution)

FDA- FCN #641

Applications

PERASAN® 'L' is a peroxyacetic acid-based microbiocide developed for use in Federally Inspected dairy processing plants. If used as directed, it will reduce the incidence of bacteria and microorganisms that cause contamination, spoilage and decay, as well as pathogenic organisms. Its use is acceptable for direct or indirect contact in or on lactose intended for use as a food or beverage additive for human consumption. Since its use is intended as an indirect process additive, it does not need to be declared on any subsequent product labeling. In accordance with the FDA Food Contact Notification # 641, only Enviro Tech Chemical Services, Inc. or its authorized distributors are allowed to use peroxyacetic acid products for lactose production intended for human consumption. This product's use is in accordance with ARTCA, 1998 under FFDCa regulations #201(q)(1)(B)(i).

Properties

PERASAN® 'L' 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® 'A' is an equilibrium mixture of peracetic acid, hydrogen peroxide, acetic acid, proprietary ingredients, and water.

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|---------------------------------------|------------|
| Peracetic acid (% wt.) | 5.3-6.0 |
| H ₂ O ₂ (% wt.) | 26.0-27.0 |
| Acetic acid (% wt.) | 7-8 |
| Stabilizer (% wt) | <0.6 |
| 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(-2) |

Physical Properties

Appearance

Clear, colorless liquid (pungent vinegar-like odor)

Storage

The PERASAN® 'L' 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

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