



## WHEYCIDE (Antimicrobial Solution)

### Applications

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 other microorganisms that cause contamination, spoilage and decay, as well as pathogenic organisms. Its use is acceptable for direct or indirect introduction into lactose or whey operations to make products that are 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 FDA Food Contact Notification #641 and #879, only Enviro Tech Chemical Services, Inc. or its authorized distributors are permitted to use peroxyacetic acid products for whey protein concentrate intended for human consumption. EPA labeling or approval is not required for this product's use in accordance with ARTCA, 1998 under FFDCA regulations #201(q)(1)(B)(i).

### Properties

Wheycide has a high oxidation potential and is very reactive. It exhibits excellent bactericidal and fungicidal activity against a wide range of microorganisms. It ultimately degrades to oxygen, water, and acetic acid (vinegar).

### Chemical Composition

WHEYCIDE is an equilibrium mixture of peracetic acid, hydrogen peroxide, acetic acid, proprietary ingredients, and water. 1 oz. of this product in 45 gallons of water yields 10 ppm as PAA.

Peroxyacetic Acid	5.0-5.4%
Hydrogen Peroxide	22.6-23.1%
Acetic Acid	5-10%
Water	Balance

### Physical Properties

Density 20°C (68°F), (g/ml)	1.12
Vapor Pressure 20°C (68°F), (mbar)	22 mm Hg @ 25° C
pH (190 ppm as PAA, in tap water), 20°C (68 °F)	<1
Flash Point (DIN 51584)	> 98° C (207° F)
Freezing Point	< -5° C (23° F)

### Appearance

Clear, colorless liquid (pungent vinegar-like odor)

### Storage

Do not store Wheycide near reducing agents, fuels, organic material, or other non-compatible materials. Store in a cool, dry, well ventilated area. Avoid temperatures above 86 F. DO NOT STORE IN DIRECT SUNLIGHT, or near sources of ignition or heat. Use first in, first out storage management. Containers must be vented.

### Shelf Life

Longer than 6 months if stored at cool temperatures and out of direct sunlight. It is recommended to use a peracetic acid test kit if the product is over 6 months old.

### Packaging

5 gal (45 lb), 53 gal (490 lb), and 300 gal (2780 lb).

Available in HDPE plastic pails, drums, and totes.

### Transport (DOT)

Oxidizing liquid, corrosive, n.o.s. (contains hydrogen peroxide and peroxyacetic acid mixture, stabilized), 5.1 (8), UN 3098, PG II

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