

## TERRASTAT™ 5.523-S

### Applications

Used as a water additive for use directly in or on food products in accordance with 21 CFR 173.370. TERRASTAT™ 5.523-S is manufactured under strict food grade conditions using only food grade or better raw materials and is essentially free of any heavy and/or transition metals. It is designed to be used as a micro-biocide that may be used to decrease the incidence of pathogenic organisms in or on food, and/or help reduce the number of decay or food spoilage organisms normally present in the processing of meat, dairy, poultry, seafood and vegetable food items.

TERRASTAT™ 5.523-S is also an excellent water treatment additive. It can be used to reduce odor, eliminate hydrogen sulfide, iron sulfide and scale, in addition to general water clarification.

### Properties

TERRASTAT™ 5.523-S is a very high oxidation chemical and thus is very reactive.

### Chemical Composition

TERRASTAT™ 5.523-S is an equilibrium mixture of peracetic acid, hydrogen peroxide, acetic acid, proprietary ingredients and water.

Chemical	Concentration (by weight)
Peracetic Acid	5.11-5.77%
Hydrogen Peroxide	21.42-24.40%
Acetic Acid	5-15%

### Physical Properties

Parameter	Value
Sp. Gravity @ 20°C (68°F)	1.110 – 1.130
Vapor Pressure @ 20°C (68°F)	~20 mmHg / 2.7 kPa
Flash Point	> 82°C (180°F)
Freezing Point	< -20°C (-4°F)

### Appearance

Clear, colorless liquid (pungent vinegar-like odor)

### Storage

**TERRASTAT™ 5.523-S container must be stored in an upright position. The storage area should be well ventilated and shaded from sunlight. Keep away from heat sources.**

### Usage

Use 0.003 fluid ounces per gallon of water per desired ppm. Ex. In order to achieve 100 ppm in 10 gallons of water, use the following calculation:  $0.003 \times 10 \text{ gal} \times 100 \text{ ppm} = 3.0 \text{ fl. oz.}$  of TERRASTAT™ 5.523-S

### Packaging

HDPE Plastic Pails, Drums, and Totes

### Transport (DOT)

UN3109, ORGANIC PEROXIDE TYPE F, LIQUID (Peroxyacetic Acid, Type F, Stabilized (<43%)), 5.2(8). PGII