



S H E P A R D B R O S . I N C .

Brewguard™ Oxy

Active Oxygen Based Liquid Cleaner

PRODUCT DESCRIPTION

Brewguard™ OXY is an advanced acidic peroxygen pretreatment designed to penetrate tough oils including beerstone to improve cleaning of brewery tanks and systems, and other food and beverage equipment.

As supplied, **Brewguard™ OXY** is acidic and exhibits low foaming characteristics. It contains no chlorine or chlorine derivatives, but does exhibit strong oxidizing and bleaching properties. It exhibits good detergency with modest solvency and solubilization properties.

FEATURES AND BENEFITS

- Strong detergency and cleaning properties
- Liquid cleaner with strong stain removal properties
- Active oxygen components enhance stain and soil removal
- Acidic pH and chelating agents remove beer scale
- Highly water soluble, even in cold water.
- Low foam, permitting use in re-circulating systems.
- Enhanced wetting for better soil penetration and surface coverage
- Provides modest solvency and solubilization properties.
- Provides cleaner, shinier surfaces
- Provides lower wash solution electrical conductivity
- Provides for potential reduction in alkalinity requirements for effective cleaning, reducing the cation content of waste water
- Non-corrosive to 304 and 316 stainless steel and compatible with most sealing and gasket materials when used at recommended concentrations.

APPLICATIONS

Brewguard™ OXY offers considerable utility as a cleaning agent in a variety of food and beverage applications. It is particularly well suited for the removal of stains such as those routinely found in the wine, beer, coffee/tea, and flavored beverage industries.

Brewguard™ OXY provides strong oxidizing properties, which may enhance cleaning in many systems. The low foam characteristics allow for use in a variety of CIP and re-circulating applications.

(Rev. 01/18)

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Brewguard™ OXY also offers utility as an additive to highly alkaline cleaning compounds such as **Brewguard™ Heavy Duty CIP Cleaner** or **Brewguard™ Liquid CIP cleaner** , where it serves to enhance oxidizing and bleaching properties. This facilitates removal of a variety of stains and soils that are difficult to remove under normal cleaning protocols. In some systems, this may also enable a significant reduction in the amount of alkali required for effective cleaning of soiled surfaces.

PHYSICAL PROPERTIES

Appearance at 25°C: Clear colorless liquid with faint haze
pH (neat): 0.5-2.0
Foam Characteristics Low
Density, pounds per gallon 8.71

INSTRUCTIONS FOR USE

Brewguard™ OXY is typically used at concentrations ranging from 2 oz per gallon of water to as much as 8 oz per gallon of water. Higher soil loads or destaining requirements generally require more concentrated use solutions. After use, rinse thoroughly with potable water. Consult your Shepard Bros. sales representative if additional technical assistance is required.

When used in conjunction with alkaline cleaning compounds such as **Brewguard™ Heavy Duty CIP Cleaner** or **Brewguard™ Liquid CIP cleaner**, a ratio of 1 part **Brewguard™ OXY** to 4 **Brewguard™ Heavy Duty CIP Cleaner** or **Brewguard™ Liquid CIP cleaner** is recommended for initial evaluation. This ratio may need to be adjusted depending upon cleaning requirements. In most CIP cleaning applications, **Brewguard™ Heavy Duty CIP Cleaner** or **Brewguard™ Liquid CIP cleaner** should be used first, and **Brewguard™ OXY** introduced into the CIP solution about halfway through the cleaning sequence.

Brewguard™ OXY is also used prior to the caustic wash in circulation such as **Brewguard™ Liquid CIP cleaner**, spray and soap applications. This blend is designed to remove beerstone, fats, and carbohydrates.

STORAGE AND HANDLING

Store in a cool, dry place. Storage of dilute solutions of **Brewguard™ OXY** over extended periods of time is not recommended. Do not add **Brewguard™ OXY** directly to concentrated alkaline products such as **Brewguard™ Heavy Duty CIP Cleaner** or **Brewguard™ Liquid CIP cleaner**. The use of personal protective equipment such as gloves, safety glasses, and dust masks' is recommended.

A Safety Data Sheet containing detailed information regarding the properties and safe handling of **Brewguard™ OXY** is available on request and should be reviewed prior to using this product.

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