



Reg No. 63838-28 EPA

TECHNICAL DATA

APPLICATIONS

ReducX is a food grade liquid acid sanitizer and disinfectant for use in food processing equipment in dairies, breweries, wineries, beverage, food processing plants, produce process water, and foliar spray applications. The combination of peracetic acid and octanoic acid makes the ReducX an effective sanitizer and disinfectant against a broad spectrum of bacteria and fungi in cold or warm water. In addition, ReducX has virucidal claims against Influenza A (H1N1), Avian Influenza A (H2N2), Influenza B, and Reovirus. ReducX provides a prolonged duration of microbial efficacy and inhibits bacterial re-growth.

PROPERTIES

REDUCX A has a high oxidation potential and is very reactive. It exhibits excellent bactericidal, fungicidal, and virucidal activity against a wide range of microorganisms in cold or warm water. ReducX is 40% more concentrated than the leading competitor's version making ReducX a more economical option.

CHEMICAL COMPOSITION

REDUCX A is an equilibrium mixture of peracetic acid, hydrogen peroxide, octanoic acid, acetic acid, proprietary ingredients, and water.

Peracetic acid (% wt.) 8.2-8.6%

H2O2 (% wt.) 7.4-7.6%

Octanoic Acid (% wt.) 4-6%

PHYSICAL PROPERTIES

Density 20°C (68°F), (g/ml) 1.091 (9.10-lbs/gal)

pH 1% solution, 20°C (68 °F) <1

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

Freezing Point < -12° C (10° F)

APPEARANCE

Clear, colorless liquid (pungent vinegar-like odor)

STORAGE

The REDUCX 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.

TEST

A ReducX specific test kit is available through AquaPhoenix (Part# ETT002)

SHELF LIFE

At least 6-months without notable loss of active oxygen if stored properly.

PACKAGING

5 gal (40 lb), 14 gal (130 lb), 28 gal (255 lb), 53 gal (485 lb) and 300 gal (2730 lb). Available in HDPE plastic jugs, drums, and totes.

TRANSPORT (DOT)

UN3109, Organic peroxide type F, liquid (<=25% peracetic acid with <=26% hydrogen peroxide), 5.2, (8)

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