

ECHOCIDE[®] algaecide and wetting agent



Echocide is an algaecide and wetting agent that prevents algae and bacterial growth and reduces surface tension in UT immersion tanks and squirter systems.

Temperature Operating Range
32° to 120°F (0° to 49°C)

Benefits

- Inhibits bacterial and fungal growth
- At 0.2+% Echocide lowers surface tension to 40 dynes/cm and interfacial tension to < 2.4 dynes/cm
- Eliminates attenuation caused by algae
- Reduces water changes required due to algae and bacterial contamination
- Reduces surface tension and eliminate air trapped in immersion bath
- Stable through broad pH range 1.5 – 13
- Compatible with Echonox I, Echonox II, and Echowet
- 1 gallon treats 1,000 gallons of water

Safety and Environment

Echocide concentrate must be handled with caution. Splash goggles and rubber gloves are recommended to prevent accidental contact with eyes and excessive skin contact. In-use concentrations are not considered harmful. Diluted solutions may be flushed to a water treatment facility. Do not discharge directly into waterways.

Complimentary goggles are provided with your first order of Echocide.

Chemical Analysis and Certification

Independent laboratory analysis of Chlorine and Sulfur by batch number referencing ASTM procedures is available upon request for an additional charge.

- Echocide is registered with the EPA and Washington Department of Agriculture.

Properties (of recommended dilutions)

pH: same makeup as water

Halogens..... <50 ppm

Sulfur..... <50 ppm

Echocide has been tested and approved to: Boeing Specifications BAC 5968 (adhesive bonds) and BAC 5980 (composites). EPA Registered.

Recommended Echocide Addition

The life of the Echocide varies based on use, activity of water, ambient environment, etc. When used in squirters, the Echocide is depleted quickly, as the water is in constant motion. Bioburden also consumes the preservatives in Echocide. Sunlight (Ultra Violet Rays) will also diminish Echocide. If testing parts in treated water, each part added to the water introduces more bioburden, shortening the life of the Echocide. In an ideal environment, where no parts are immersed and the water is not exposed to UV, Echocide could last for years.

Suggested algaecide (only) minimum addition (0.1% by volume)

1 gallon immersion water --- 0.13 fl. oz. (3.8 ml) Echocide
25 gallons immersion water --- 3¼ fl. oz. (95 ml) Echocide
100 gallons immersion water--12¾ fl. oz. (377 ml) Echocide
1,000 gallons immersion water---1 gallon (3783 ml) Echocide

0.1% addition of Echocide (1:1000) provides 50 ppm of the active biocide Alkyl Dimethyl Benzyl Ammonium Chloride. Echocide at 0.1% addition contributes approximately 5 ppm of Chloride to the immersion bath. There is no active chlorine in Echocide.

Algaecide plus Wetting Agent (0.2% by volume – double the recommendations above)

The Echocide addition can be increased to 0.2% or higher for immersion tanks requiring increased algae inhibition and to provide increased wetting and reduce surface tension. Doubling the 0.1% addition levels to 0.2% will provide 100 ppm of the active ingredient and will lower the surface tension to 40 dynes/cm and interfacial tension to < 2.4 dynes/cm

Packaging

1-gallon (4 liter) container

5-gallon bucket

55-gallon drum



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