

DEFOAM FG-10

Defoam FG-10 is exclusively distributed by Syndel International Inc. for aquaculture

- *DEFOAM FG-10 is used to reduce foam in tanks containing fish, especially during transportation.*

RECOMMENDED DOSAGE & ADMINISTRATION METHOD.

- DEFOAM FG-10 is effective at very low concentrations. 10 - 100 ppn (1 - 10 ppn of active ingredient) is sufficient to control foaming in most instances. Begin at 100 ppn and work down to the foam control desired. It is important that DEFOAM FG-10 is completely dispersed so that optimal foam control is attained.
- Agitate the product prior to use to ensure that the emulsion is homogeneous.
- Predilute the desired amount of DEFOAM FG-10 with up to 10 volumes of cool water to aid dispersion.
- For the best results, add slowly with mixing prior to the occurrence of foam and before the fish are added to the tank.
- Use any prediluted product immediately.

PRESENTATION

- DEFOAM FG-10 is available in a liquid form and comes in 1 kg, 4 kg and 20 kg containers.

COMPOSITION

- DEFOAM FG-10 is a 10% active food grade nonionic silicone emulsion of dimethylpolysiloxane
- Product is a [CFIA Permitted Additive in Fish and Fish Products](#) to a maximum level of 10 ppm of active ingredient

STABILITY & STORAGE

- *DEFOAM FG-10* has a shelf life of 12 months when stored at 20 - 40°C Avoid temperatures greater than 49°C. If the product is frozen at 0°C it can be thawed

	out and used without loss of efficiency.
<i>SAFETY PRECAUTIONS</i>	<ul style="list-style-type: none">• <i>DEFOAM FG~10</i> is allowable in food products at concentrations up to 100 ppn (10 ppn of active ingredient). It is composed of food grade materials. Extensive toxicological studies have been performed and show minimal problems associated with this product.• Avoid contact with the eyes as it may cause some discomfort.

Information about Defoam FG-10

DESCRIPTION

Defoam FG-10 antifoam emulsion is an easy-to-use, water dilutable, silicone defoamer for aqueous systems. Easy to dilute and disperse, it is effective in high temperature systems, high-sugar solutions, and salt brines, and maintains its effectiveness at temperatures to boiling.

This emulsion contains 10 percent of a silicone compound, food grade; and it qualifies under FDA regulations for use in foods and also has gained acceptance for use in Kosher foods.

Defoam FG-10 EMULSION	
Type	<ul style="list-style-type: none">• Silicone emulsion
Physical Form	<ul style="list-style-type: none">• Pourable liquid
Special Properties	<ul style="list-style-type: none">• Water-dilutable• easy to use• effective either hot or cold
Primary Use	<ul style="list-style-type: none">• Foam preventative for food and industrial processing

USES

Defoam FG-10 antifoam emulsion was primarily designed for food-processing use, but it is used in many industrial processes as well. Typical defoaming applications include:

Freeze-drying

Sugar systems

Brine solutions

Dehydrating and evaporating

Dietetic soft drinks

Fruit drinks

Fermentation processes

Typical Properties

Colour	White
Specific Gravity at 77°F (25°C)	1.0
Consistency at 77°F (25°C)	Pourable, Light cream
pH	4
Active defoamer, %	10.5
Emulsifier	nonionic
Suitable diluent	water

FDA Status

Defoam FG-10 antifoam emulsion is manufactured under high standards of purity and sanitation, and is formulated with specially selected ingredients which, at the prescribed level, are permitted for direct addition to food by the Federal Food and Drug Administration or are considered "generally recognized as safe." Use of Defoam FG-10 antifoam emulsion is permissible in most foods, in concentrations up to 100 parts defoamer as received per million parts foamer. Any limitations on use in standardized foods should be observed. (See FDA Regulation 21 CFR 173.340 [formerly 121.1099] under dimethylpolysiloxane.)

HOW TO USE

Amount Needed

Defoam FG-10 antifoam emulsion is effective in concentrations as low as 10 parts per million. In testing to determine proper concentration for a particular application, start at 25 parts defoamer per million parts foamer. Results will indicate whether an increase or decrease in defoamer is needed.

To determine the actual quantity of the antifoam emulsion required for a batch or work period (assuming that the concentration needed to control the foamer is known), use the addition rate chart.

Diluting the Antifoam

Defoam FG-10 antifoam emulsion disperses easily in aqueous systems. The emulsion can be added directly to the foamer as supplied, requiring only agitation to disperse thoroughly.

For use in systems where maximum efficiency is desired, the emulsion should be prediluted with water before being added to the foamer. The recommended dilution procedure is as follows:

1. Stir or agitate the antifoam before removing it from the shipping container.
2. Dilute the required amount of antifoam with nine volumes of water *by addin @ the water slowly to the defoamer* with continual, lowshear mixing.
3. Use the diluted defoamer within eight hours after dilution for best results. If longer storage is necessary, the diluted material should be stirred frequently.
4. Add the diluted defoamer mixture to the foaming system. Stir or agitate to achieve complete dispersion and efficient foam control.

SHIPPING LIMITATIONS

None.

STORAGE AND SHELF LIFE

When stored at or below 90°F (32°C), Defoam FG-10 antifoam emulsion has a shelf life of 12 months from date of shipment.

PACKAGING

Defoam FG-10 antifoam emulsion is supplied in 1 kg, 4 kg and 20 kg containers. All weights, net.

USERS PLEASE READ

The information and data contained herein are believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since we cannot know all of the uses to which its products may be put or the conditions of use, it makes no warranties concerning the fitness or suitability of its products for a particular use or purpose.

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