



Technical Data Sheet

Brand Calsil
Market Food Processing
Product name Calsil FGA 20 (K)

1. Product Description

A 20% active qualified food grade antifoam emulsion, based on activated silica in polydimethylsiloxane, ideal in applications where a food grade certification is a prerequisite, it is also certified in applications in direct contact with food during processing.

2. Key Properties

- Stable Food grade anti-foam emulsion
- Easy to dilute, even with tap water

3. Benefits

- Has no adverse effect on most micro organisms
- Marginal influence on gaz transfer (Kla)
- High performance at low or high temperatures
- Excellent dilution stability, can be used as is and diluted down to 5%
- Contains no ingredients from animal origin

4. Applications

- Foam control agent to eliminate foam during fermentation processes involving sugar or molasses and starch based nutriment
- Foam control food applications, such as drinks, foodstuff preparations, and others

5. Typical Properties (not for sales specifications)

| Properties | Units | Values |
|------------------|-------|--------------|
| Appearance | | Emulsion |
| Active Matter | % | 20 |
| Dry Matter | % | 25-29 |
| pH | | 4,0-6,0 |
| Viscosity | mPa.s | 600 to 1.500 |
| Specific Gravity | | 1,00 |

6. How to Use

Calsil FGA 20(K) can be used “as supplied” or diluted with tapwater.

7. Certifications

In line with food regulation, all ingredients comply with the following :

- FDA 21 CFR 173.340 : Secondary Direct Food Additives Permitted in Food for Human – Defoaming Agents
- Bundesinstitut für Gesundheitlichen Verbraucherschutz und Veterinärmedizin
 - All silicone ingredients are listed in Recommendation XV.
 - All silica ingredients are listed in Recommendation LII
- European Directive: all ingredients used are listed in the European Directive 1333/2008 and fulfil the purity criteria listed in European Directive 231/2012, as additives for food. However, the reacted substances contained in this product are not listed. Therefore, this product may only be used as a food processing aid subject to user's assessment of suitability and compliance for its particular use.
- Kosher Certification: Chicago Rabbinical Council

8. Handling

This document does not contain safety precautions. Before handling this material, please read the Material Safety Data Sheet, check the label on the container, and conform to the safety, physical and hazard guidelines and precautions. The Material Safety Data Sheet is available from your nearest CALDIC office.

9. Storage and Shelf Life

This product should be stored in its original unopened containers at a temperature above 5°C and below 35°C. It can be used within the 12 months following its production date.

10. Packaging

Available in 1.000 kg IBC, 200 kg Drums and 25 kg Pails.


11. Restrictions

This ingredient is solely proposed in the above listed applications, in food-contact and as food ingredient. It is not suitable to be used in medical, human injection or pharmaceutical applications.

12. Limited Warranty PLEASE READ CAREFULLY

- The information herein is offered in good faith. It is believed to be accurate at the time of shipment.
- It should not be used as a substitute for the customer's test, the customer bears the responsibility to ensure that the product matches the intended application is safe and achieves the desired benefits.
- The product warranty is limited to the refund value of the purchase or the replacement only when it is demonstrated that the product is out of the agreed sales specifications.
- Calsil is a registered trademark of CALDIC BV. All rights reserved.

For more information, please contact our nearest office

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