

GENSIL 2010

Foam Control Agent

Oct 2005

TECHNICAL DATA SHEET

DESCRIPTION: **GENSIL 2010** is a high efficiency non-ionic aqueous emulsion containing a polydimethylsiloxane compound.

APPLICATIONS: **GENSIL 2010** is used:

- To suppress or control the formation of foam in aqueous media.
- To suppress or control the formation of foam in processes throughout a variety of industries including petrochemical, food processing, textiles industry, chemical processing.
- In effluent treatment.

GENSIL 2010 should generally be prediluted to a given concentration, in the diluent chosen, before it is added to the foaming medium, provided the use of solvent is legally permitted in the application. The diluent must be both a solvent of the silicone oil which the compound contains, and also soluble or at least dispersible in the foaming medium.

TYPICAL PROPERTIES:

Appearance	:	Slightly off white emulsion
Specific Gravity (25°C)	:	0.99 +/- 0.01
pH	:	4 - 6
Boiling Point	:	100 °C
Freezing Point	:	0 °C
Brookfield Viscosity (25 °C, LVT 3/30)	:	3000 cps maximum
Emulsifier	:	Non-ionic
Diluent	:	Water
Activity	:	12.9 % +/- 1

BENEFITS: **GENSIL 2010** has the following properties:



- Meets Australian and US FDA food grade requirements, allowing it to be used as a direct or indirect additive.
- Rapidly disperses in water and aqueous media to give immediate foam control.
- Chemically inert.
- Effective over a wide pH range.
- A cost effective solution to foam control problems.

METHOD OF USE:

Consult Material Safety Data Sheet before use.

This material may separate on storage. Stir well before use.

GENSIL 2010 should be used in doses of 2 to 100 mg per kg of the foaming medium (in terms of active solids content).

Australian Food Standards Code and US FDA regulations permit the use of **GENSIL 2010** in the food industries provided the doses do not exceed 100mg (Gensil 2010) per kg of foaming medium.

REGULATIONS:

The ingredients of **GENSIL 2010** (made from straight-chain poly dimethyl siloxane oils and silica, in the form of a compound) comply with the:

The “Australian Food Standards Code”.

US FDA Code of Federal Regulations, Part 21 - Food and Drugs, paragraph 173.340, “Defoaming Agents”; and

GENSIL 2010 may be used as an additive in foods or as a processing aid when used in accordance with the above Regulations or local equivalent.

Permitted concentrations in food stuffs which are ready for use vary according to these regulations, and in particular it may not be used in milk.

STORAGE AND SHELF LIFE:

GENSIL 2010 has a shelf-life of 12 months from the date of delivery, when stored at a temperature within the range 5 to 30°C in the clean, sealed containers in which it is delivered.

It is not advisable to return the unused portions or dilutions of the product to the original container, as this may



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introduce contamination and adversely affect the stability of the product.

PACKING: 200kg plastic drums

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