

## Product Specification

**AIRASE® 5100 Defoamer** – Formulated SSDL™ Defoamer**Description**

AIRASE® 5100 defoamer is a Structured Siloxane Defoamer Line (SSDL) defoamer – a member of a line of products that spans the application space from strong defoaming to high compatibility. AIRASE® 5100 defoamer is the strongest defoamer of the SSDL defoamers offered by Evonik. AIRASE® 5100 defoamer is a formulated product that contains no added solvent, hazardous air pollutants (HAPs) or alkylphenol ethoxylates (APEs). This siloxane-based defoamer was developed for use in a wide range of water-based applications. AIRASE® 5100 defoamer is best incorporated with high shear mixing. It is designed for applications where strong defoaming is required and the formulations are not sensitive to cratering. When properly incorporated, AIRASE® 5100 defoamer can provide excellent long-term, persistent defoaming in formulations.

**Benefits**

- Low odor, low viscosity, easy-to-handle liquid
- Very strong defoaming with good shear stability
- Long term, persistent defoaming
- Improved pH stability compared to traditional siloxanes
- Contributes no VOCs per US2 regulations
- Contains no added APEs or HAPs

**Applications**

- Colorants
- Pigment concentrates
- Mill bases
- Flat paints
- Adhesives

**Recommended usage**

Between 0.05 and 0.5 % of total formulation weight.

**Storage and handling**

Keep containers tightly closed in a dry, cool, and well-ventilated place. Mix thoroughly before use. Product is freeze-thaw stable but may separate on standing or freezing; bring product to 20–30°C and mix thoroughly before use.

**Shelf life**

The shelf life for this product is 24 months from the date of manufacture.

**Table 1: Typical Properties<sup>1</sup>**

Appearance	paque, whitish-grey liquid
Viscosity @ 25 °C (mPa•s)	400 - 800
Specific Gravity @ 25 °C	0.96 - 1.02
Flash Point (°C)	193
Pour Point (°C)	- 15
Activity	100 %
VOC (US EPA Method 24) <sup>2</sup>	0

- 1 These are typical properties only and do not represent sales or manufacturing specifications.
- 2 Volatile organic compounds, VOCs, as defined by the EPA in 40 CFR 51.100(s). AIRASE® 5100 defoamer was found to contribute no VOC under EPA Method 24 testing conditions when evaluated at 0.5 wt.% in a zero-VOC coating formulation.

## Hazardous goods classification

### Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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## For Technical Information, Support and Samples:

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