

## Product Specification

**AIRASE® 5500 Defoamer** – Formulated SSDL™ Defoamer**Description**

AIRASE® 5500 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® 5500 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® 5500 defoamer can be incorporated in the grind or used as a let-down defoamer. It is designed for applications where good defoaming is required with good long-term persistency and film compatibility.

**Benefits**

- Low odor, low viscosity, easy-to-handle liquid
- Effective balance of good defoaming with film compatibility
- Improved pH stability compared to traditional siloxanes
- Contributes no VOCs per US2 regulations
- Contains no added APEs or HAPs

**Applications**

- Spray- and roll coat-applied coatings
- Primers
- Printing inks
- Satin and gloss paints
- Wood coatings
- Clear coats

**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	slightly hazy, whitish-grey liquid
Viscosity @ 25 °C (mPa·s)	450 - 900
Specific Gravity @ 25 °C	0.95 - 1.01
Flash Point (°C)	160
Pour Point (°C)	- 9
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® 5500 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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