

Product Specification

DYNOL™ 810 Surfactant – Non-Ionic Organic Superwetter**Description**

DYNOL™ 810 Surfactant is a unique organic superwetter that can provide a superior balance of properties compared to traditional silicone and fluorosurfactants. It delivers exceptional performance in inks and a wide variety of other water-based coating applications.

Based on Gemini technology, DYNOL™ 810 Surfactant has the ability to reduce both equilibrium and dynamic surface tension while avoiding the issues associated with silicone-based or fluorosurfactants. This excellent balance of properties makes DYNOL™ 810 Surfactant an excellent alternative for difficult-to-wet substrates requiring good flow and levelling under diverse application conditions.

Features/Benefits

- 100 % active organic superwetter
- Excellent dynamic surface tension reduction
- Very low equilibrium surface tension reduction
- Improved formulation compatibility and ease of incorporation
- Low viscosity, easy-to-handle liquid
- Low foam
- Contains no added silicones, siloxanes or fluorosurfactants
- Contains no added APEs, HAPs, or VOCs

Applications

- Printing inks
- Overprint varnishes
- OEM and DIY wood coatings
- Metal coatings
- Plastic coatings
- Adhesive

Recommended usage

Between 0.1 and 1 % of total formulation weight is recommended.

Shelf life

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

Storage and handling

Keep away from direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place. Product is freeze-thaw stable; if it phase separates or freezes at colder temperatures, warm container to 40 °C and mix thoroughly before use.

Please refer to the MSDS for the most current information.

Table 1: Typical Properties¹

Appearance	clear, yellow liquid
Viscosity @ 25 °C (mPa · s)	250
Specific Gravity @ 25 °C	0.97
Flash Point (°C)	171
Pout Point (°C)	3
VOC (US EPA Method 24) ²	0
Activity	100 %

- 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). DYNOL™ 810 Surfactant was found to contribute no VOC under EPA Method 24 testing conditions when evaluated at 1.0 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.

07/2017

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