

## Product Specification

**DYNOL™ 800 Surfactant** – Non-Ionic Organic Superwetter**Description**

DYNOL™ 800 Surfactant is a unique organic superwetter that is designed to provide a superior balance of properties compared to traditional fluorosurfactants and silicone surfactants. It can deliver exceptional performance in wood and plastic coatings as well as a wide variety of other water-based coating applications.

Based on Gemini surfactant technology, DYNOL™ 800 Surfactant has the ability to reduce both equilibrium and dynamic surface tension while avoiding the issues associated with silicone-based or fluorosurfactants. This superior balance of properties makes DYNOL™ 800 Surfactant an excellent alternative for difficult-to-wet substrates requiring good flow and leveling 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**

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

**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 Properties<sup>1</sup>**

Appearance	clear, yellow liquid
Viscosity @ 25 °C (mPa · s)	230
Specific Gravity @ 25 °C	0.98
Flash Point (°C)	188
Pout Point (°C)	1
VOC (US EPA Method 24) <sup>2</sup>	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 800 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.

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## For Technical Information, Support and Samples:

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