

Product Specification

DYNOL™ 604 Surfactant – Non-Ionic Superwetting and Coalescing Surfactant**Description**

Based on patented Gemini surfactant technology, DYNOL™ 604 Surfactant is a high-performance, non-ionic organic superwetter that provides the excellent equilibrium and dynamic surface tension reduction associated with the Dynol name.

It also demonstrates lower foam and dynamic surface tension values compared to the more hydrophilic DYNOL™ 607 surfactant. In addition, comparative wetting performance tests have shown that DYNOL 604 Surfactant is also an excellent choice as a replacement for conventional fluorosurfactants and a cost-effective alternative to new fluorosurfactant technology.

Features/Benefits

- Outstanding dynamic wetting
- Excellent flow and levelling
- No recoatability issues
- Low foam
- Contains no added APEs or HAPs
- Contains no added siloxanes, silicones or fluorosurfactants
- Contributes no VOCs per European and US2 regulations

Applications

- Water-based Coatings
 - Automotive OEM and refinish
 - Architectural coatings
 - OEM, DIY, and UV wood
 - Industrial maintenance
 - Metal and paper

- Graphic Arts
 - Printing inks
 - Overprint varnishes
 - Fountain solutions
 - Plate cleaners
- Adhesives
- Latex dipping
- Dye and pigment grinding and synthesis
- Oil and gas processing
- Cleaning products
- Metalworking fluids
- Concrete and drymix mortars
- Waste water treatment

Recommended usage

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

Shelf life

The shelf life for this product is 60 months from the date of manufacture.

Storage and handling

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	amber liquid
Viscosity @ 25 °C (mPa · s)	290
Specific Gravity @ 25 °C	0.98
Flash Point (°C)	164
Pout Point (°C)	-14
VOC (US EPA Method 24) ²	0
Activity	100 %

- 1 These are typical properties only and do not represent sales or manufacturing specifications.
- 2 VOCs, as defined by the EPA in 40 CFR 51.100(s). DYNOL™ 604 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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