

# Aquolin 168



Water dispersible polyisocyanate

## Technical Data Sheet

Product Name: Aquolin 168

TDS NO.: WHSM\_168

Revision Date: 2021.03.03

Version: V 2.0

### Product Description

**Aquolin 168** is a polyether modified water-based polyisocyanate hardener based on hexamethylene diisocyanate (HDI). It shows excellent compatibility with various polyurethane dispersion and hydroxyl acrylic emulsion/dispersion. It also shows high clarity, high gloss and long pot-life when used in water-based 2K system. It is normally used in water-based coatings and adhesives. The ready-to-use mixture containing Aquolin 168 should be used up within pot-life.

### Properties

1. High clarity and gloss.
2. Excellent water resistance.
3. Excellent weathering resistance.
4. Long pot-life.

### Characteristics Data\*

Property	Value	Unit	Method
Appearance	Transparent to light yellow liquid		
NCO content	15.5-16.5	wt%	GB/T 12009.4-2016
Viscosity	2000-6000	mPa·s	Brookfield LV, 63#/12rpm, 25°C
Color APHA	≤ 80		GB/T 1722-1992
HDI monomer	≤ 0.1	wt%	GB/T 18446-2009

\*Property values represent typical results only and are not to be considered as specifications, subject to specific COA.

### Storage

The product should be stored in dry conditions above 5°C and below 35°C with the integrity of the packaging, and prevent direct sunlight. The shelf life of the product is 12 months since produced, performance assessment is recommended before use beyond shelf life. The product should be protected from freezing during storage. Water dispersible polyisocyanate is very sensitive to moisture and will react with water to produce carbon dioxide which will cause pressure increasing of container. Please keep the container tightly closed to avoid the accessing of water in all forms. Once open the packing, it is suggested to use up as soon as possible.

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