

# Easaqua™ WAT



## Description

⇒ Easaqua™ WAT is a water-dispersible crosslinker based on an aliphatic polyisocyanate (HDI homopolymer).

## Suggested Uses

- ⇒ Crosslinker of waterborne adhesives for footwear applications (shoe industry).
- ⇒ Hardener of two-pack waterborne polyurethane adhesives for 3D lamination applications in the automotive and furniture industries.
- ⇒ Crosslinker of waterborne adhesives to obtain D4 classification according to EN 204.

## Specifications

Colour	≤ 60 HAZEN (APHA)
Viscosity at 25°C	2 500 to 5 500 mPa.s
NCO (on delivery form)	17.5 to 20.5 %
Solids content	> 98 %
Hexamethylene diisocyanate monomer (HDI)*	< 0.2 %

\*Measurement is done on the raw materials used to produce the final product

The analytical methods are available upon request

## Physical Properties

Appearance	Clear liquid
Bulk density at 25°C	1160 kg/m <sup>3</sup> approx.
Flash point (closed cup)	> 150°C
Equivalent weight (on delivery form)	220 g approx.
Mixing in water	See safety instructions

## Solubility

Soluble in esters, ketones, ether-esters and aromatic hydrocarbons. This product reacts with solvents containing hydroxyl groups, such as alcohols, glycol-ethers and water (in case of unsuitable use). It is recommended to use "urethane grade" solvents only for the dilution (with water content below 300 ppm).

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## Applications

- ⇒ Easaqua™ WAT is usually used as a crosslinker of waterborne formulations (adhesives, leather finishing basecoats and topcoats, ...). It improves chemical and thermal resistance, as well as some specific properties (such as abrasion resistance, adhesion, ...). In most cases, Easaqua™ WAT (pure or diluted into some solvents) is added into the waterborne formulation just prior to application.

## Packaging and transport

### **Packaging (please contact our sales team for more details)**

- ⇒ Deliveries of 900 kg net weight pallets (4 drums of 225 kg net weight).
- ⇒ Other packaging: upon request

### **Transport**

- ⇒ Not regulated. For more precise details, please consult the safety data sheet

## Storage conditions and shelf-life

- ⇒ **EASAQUA™ WAT is sensitive to moisture** and should be kept in its sealed original container or in a volume tank under dry nitrogen blanketing at room temperature.
- ⇒ A shelf life of 6 months is expected provided that the product is kept in its sealed original container at 25 °C.

## Inflammability and safety instructions

- ⇒ Before handling this product please refer to its safety data sheet as new technology requires new ways of handling products.

### **WARNING TO USERS**

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