

Easaqua™ WAT-1



Description

- ⇒ Easaqua™ WAT-1 is a low viscosity water dispersible crosslinker based on an aliphatic polyisocyanate (HDI homopolymer). It shows a lower hydrophilicity than Easaqua™ WAT.

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	900 to 1 900 mPa.s
NCO (on delivery form)	20.4 to 23.0 %
Solids content	> 98%
Hexamethylene diisocyanate monomer (HDI)*	< 0.5%

*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	1140 kg/m ³ approx.
Flash point (closed cup)	> 150°C
Equivalent weight (on delivery form)	195 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).

Easaqua™ WAT-1

Applications

- ⇒ **Easaqua™ WAT-1** is usually used as a crosslinker of waterbased 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-1 (pure or diluted into some solvents) is added into the waterborne formulation just prior to application. Easaqua™ WAT-1 shows a lower viscosity than Easaqua™ WAT, which makes it easier to disperse into polyurethane dispersions (PUD).

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-1 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 9 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

The information contained in this document is given in good faith and based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third parties through the use of our products. PERSTORP guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local regulation and for obtaining the necessary certifications and authorizations.

Users are requested to check that they are in possession of the latest version of the present document and PERSTORP is at their disposal to supply any additional information.

EASAQUA™ is a trade mark of PERSTORP.