



## Product certificate K22770/03

Issued 2017-04-15

Replaces K22770/02

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### **Araldite 2014-1 (AW 139-1/HW 5323) Araldite 2014-2 (AW 139-1/HW 5323-1)**

#### STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Product Certification, Kiwa declares that legitimate confidence exists that the products supplied by

### **Huntsman Advanced Materials Ltd.**

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with the Regeling materialen en chemicaliën drink- en warm tapwatervoorziening dated 01-04-2012 (Materials and chemicals in the supply of drinking water and warm tap water Regulation).

Luc Leroy  
Kiwa

*Publication of this certificate is allowed.*

*Advice: consult [www.kiwa.nl](http://www.kiwa.nl) in order to ensure that this certificate is still valid.*

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Certification process  
consists of initial and  
regular assessment of:

- quality system
- product

Araldite 2014-1 (AW 139-1/HW 5323)  
Araldite 2014-2 (AW 139-1/HW 5323-1)

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**PRODUCT SPECIFICATION**

This certificate covers Araldite 2014-1 (AW 139-1/HW 5323) and Araldite 2014-2 (AW 139-1/HW 5323-1), two-component epoxy resin adhesives consisting of a resin (AW 139-1) and a hardener (HW 5323 or HW 5323-1).

**APPROVAL**

The products are approved on the basis of the requirements set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" (Materials and chemicals in the supply of drinking water and warm tap water Regulation; published in the Government Gazette).

**CRITERIA HYGIENIC ASPECTS**

The product certification is based on two main criteria. It should permanently comply with the:

- product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa following the Kiwa approval procedure related to the hygienic aspects.
- specific product requirements (see "PRODUCT REQUIREMENTS HYGIENIC ASPECTS").

**PRODUCT REQUIREMENTS HYGIENIC ASPECTS**

For these products is relevant the positive list mentioned in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" (published in the Government Gazette).

After 30 days the maximum tolerable concentration in the drinking water ( $MTC_{\text{drinking water}}$ ) of the following substances or parameters may not exceed the numerical values mentioned behind.

- TOC 2 mg/l;
- Odour (TON) < 16;
- Flavour (TFN) < 16;
- Colour 10 mg/l Pt.

The remaining valid MTC's are, with respect to confidentiality, laid down in the non-public 'appendix hygienic aspects' to certificate K22770.

**APPLICATION AND USE**

Araldite 2014-1 (AW 139-1/HW 5323) and Araldite 2014-2 (AW 139-1/HW 5323-1) are used as adhesives for epoxy and polyester pipes for transport of potable water.

The mixing ratio of the epoxy resin (AW 139-1) and hardener (HW 5323 or HW 5323-1) is 100 : 50 (w/w).

**MARKING**


Design of the required Kiwa certification mark:

- "kiwa ", in ink or seal.

Location of the mark:

- On the packaging or on the delivery receipt.

Mandatory marks:

- "kiwa 
- "Araldite 2014-1 (AW 139-1/HW 5323)" or "Araldite 2014-2 (AW 139-1/HW 5323-1)";
- "K22770".

**RECOMMENDATIONS FOR CUSTOMERS**

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- Huntsman Advanced Materials Ltd.
- and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's (processing) guidelines for the proper storage and transport methods.

Check whether this certificate is still valid by consulting [www.kiwa.nl](http://www.kiwa.nl).