



## CHT Germany GmbH

Bismarckstr. 102, Tübingen, Germany

has successfully achieved  
**C2C Certified® Material Health Gold**  
for the product(s) under the name:

## Gold Textile Finishing & Coating Auxiliaries by CHT

Certification Number  
11798

Standard Version  
5.0

Achievement Level  
Gold

Effective Date  
29 April 2025

Expiration Date  
09 April 2028

Lead Assessment Body  
EPEA GmbH - Part of Drees & Sommer

### Products Covered

AVISTAT 3 P; LUSTRAFFIN MO; LUSTRAFFIN RTK; POLYAVIN PEN; TUBINGAL EOS; TUBINGAL R 20; REAKNITT CAT ABT; TUBINGAL RNJ; POLYAVIN bPEN

This product range was assessed exclusively for use by professional textile manufacturers trained in the proper handling and use of protective equipment for sensitizing and/or corrosive and/or irritating chemicals. The requirements for certification have only been met under these conditions.

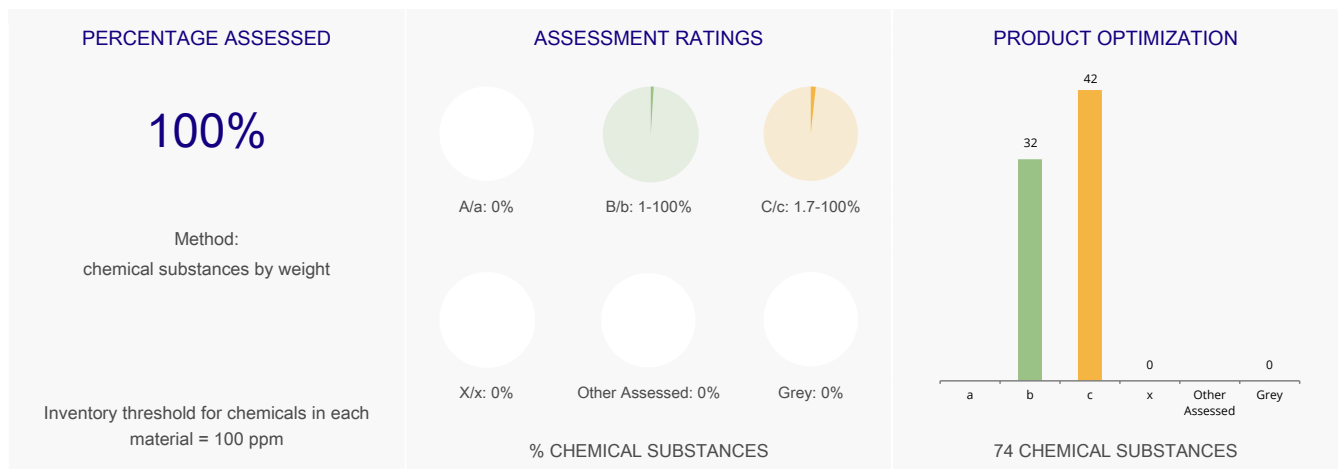
Elwyn Grainger-Jones  
Executive Director  
Cradle to Cradle Products Innovation Institute

### Phases and Processes considered in the Chemical Toxicity Assessment

Manufacturing; Professional use; Use; Intended end of use: recycling, release to the environment via wastewater treatment plant; Unintended end of use: landfilling, incineration, uncontrolled burning, release to the environment

### PRODUCT OPTIMIZATION SUMMARY

- Compliant with Leading Chemical Regulations
- No organohalogenated substances of special concern or functionally-related non-halogenated classes of equivalent concern.
- No exposure to EU CLP Category 1 & 2 Carcinogens, Mutagens and Reproductive toxicants or Substances of Very High Concern; Carbon-bonded halogens are <1% of each material (exemptions apply)
- VOC emissions testing not applicable
- VOC content requirements not applicable
- Product is optimized for material health (no grey or x-assessed chemicals)
- Process chemicals have been identified and none are grey or x-assessed
- Actions taken to reduce and eliminate emissions of hazardous chemicals in the product's supply chain



Note: Other assessed includes recycled content that has passed the required analytical tests, Externally Managed Components (EMCs) and/or C2C Certified inputs.

See the Cradle to Cradle Certified Product Registry at [www.c2ccertified.org](http://www.c2ccertified.org) for additional details.  
Use of the certification marks is subject to the terms and conditions of the C2CPII Certification Agreement and Trademark Use Guidelines.

Amsterdam, The Netherlands | San Francisco, California, USA  
Cradle to Cradle Certified is a registered trademark of the Cradle to Cradle Products Innovation Institute.





# CHT Germany GmbH

Bismarckstr. 102, Tübingen, Germany

has successfully achieved  
**C2C Certified® Material Health Gold**

for the product(s) under the name:

## Gold Textile Finishing & Coating Auxiliaries by CHT

Certification Number  
6561

Standard Version  
4.0

Achievement Level  
Gold

Effective Date  
06 March 2024

Expiration Date  
05 March 2027

Lead Assessment Body  
MBDC

### Products Covered

TUBINGAL GSI, TUBINGAL ISP, ARRISTAN rAIR, ARRISTAN CPU, NouWell CDL, REAKNITT ZF, TUBINGAL 7023, TUBINGAL BTN, TUBINGAL HWS, and TUBINGAL RSK

These products were assessed exclusively for use by professional workers trained in the proper handling and use of protective equipment for sensitizing textile auxiliaries. The requirements for certification have only been met under these conditions.

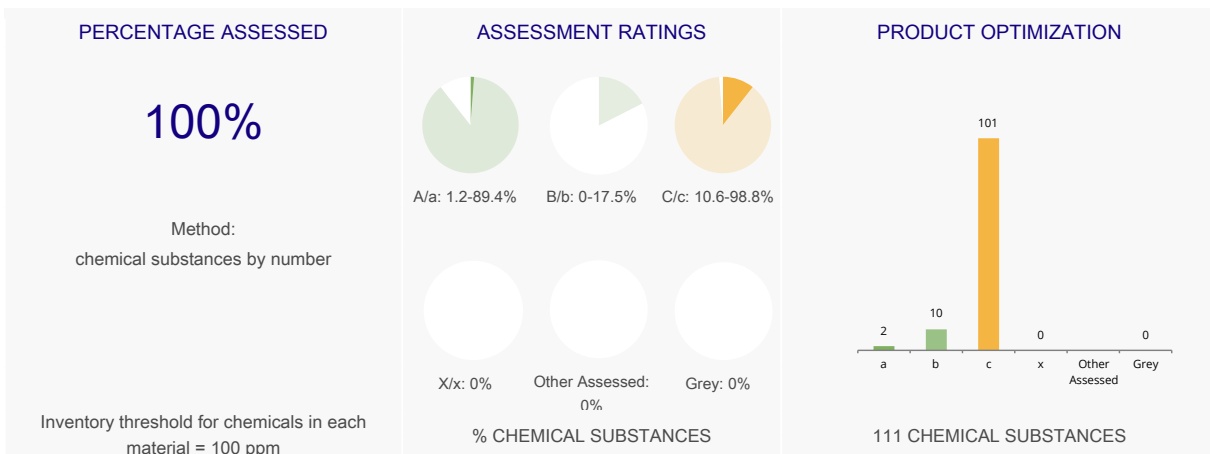
Elwyn Grainger-Jones  
Executive Director  
Cradle to Cradle Products Innovation Institute

### Phases and Processes considered in the Chemical Toxicity Assessment

Manufacturing, professional use, use; Intended end of use: recycling, release to the environment; Unintended end of use: landfilling, incineration, uncontrolled burning, release to the environment

### PRODUCT OPTIMIZATION SUMMARY

- Compliant with Leading Chemical Regulations
- No organohalogenated substances of special concern or functionally-related non-halogenated classes of equivalent concern.
- No exposure to EU CLP Category 1 & 2 Carcinogens, Mutagens and Reproductive toxicants or Substances of Very High Concern; Carbon-bonded halogens are <1% of each material (exemptions apply)
- VOC emissions testing not applicable
- VOC content requirements not applicable
- Product is optimized for material health (no grey or x-assessed chemicals)
- Process chemicals have been identified and none are grey or x-assessed
- Actions taken to reduce and eliminate emissions of hazardous chemicals in the product's supply chain



Note: Other assessed includes recycled content that has passed the required analytical tests, Externally Managed Components (EMCs) and/or Cradle to Cradle Certified

See the Cradle to Cradle Certified Product Registry at [www.c2ccertified.org](http://www.c2ccertified.org) for additional details. Use of the certification marks is subject to the terms and conditions of the C2CPII Certification Agreement and Trademark Use Guidelines.

Amsterdam, The Netherlands | San Francisco, California, USA  
Cradle to Cradle Certified is a registered trademark of the Cradle to Cradle Products Innovation Institute.





# CHT Germany GmbH

Bismarckstr. 102, Tübingen, Germany

has successfully achieved  
**C2C Certified® Material Health Silver**

for the product(s) under the name:

## Silver Textile Finishing and Coating Auxiliaries by CHT

Certification Number  
6548

Standard Version  
4.0

Achievement Level  
Silver

Effective Date  
06 March 2024

Expiration Date  
16 June 2026

Lead Assessment Body  
MBDC

Products Covered  
TUBINGAL 3S, ECOPERL YWR, and Polyavin NBL

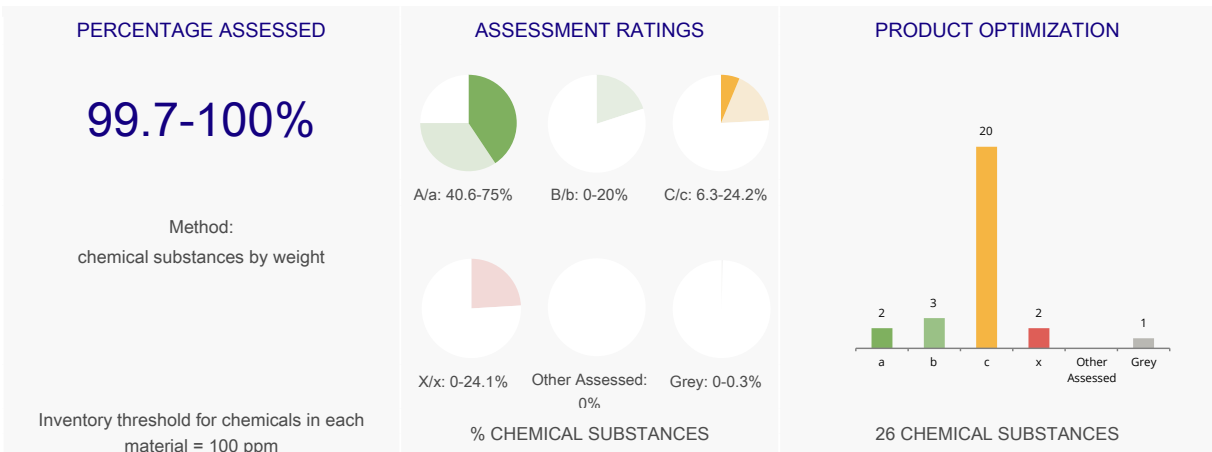
Elwyn Grainger-Jones  
Executive Director  
Cradle to Cradle Products Innovation Institute

### Phases and Processes considered in the Chemical Toxicity Assessment

Manufacturing, professional use, use; Intended end of use: recycling, release to the environment; Unintended end of use: landfilling, incineration, uncontrolled burning, release to the environment

### PRODUCT OPTIMIZATION SUMMARY

- Compliant with Leading Chemical Regulations
- Organohalogen substances of special concern and functionally-related non-halogenated classes of equivalent concern are below allowable thresholds (exemptions apply)
- No exposure to EU CLP Category 1 & 2 Carcinogens, Mutagens and Reproductive toxicants or Substances of Very High Concern; Carbon-bonded halogens are <1% of each material (exemptions apply)
- VOC emissions testing not applicable
- VOC content requirements not applicable
- Product is optimized for material health (no grey or x-assessed chemicals)
- Process chemicals have been identified and none are grey or x-assessed
- Actions taken to reduce and eliminate emissions of hazardous chemicals in the product's supply chain



Note: Other assessed includes recycled content that has passed the required analytical tests, Externally Managed Components (EMCs) and/or Cradle to Cradle Certified

See the Cradle to Cradle Certified Product Registry at [www.c2ccertified.org](http://www.c2ccertified.org) for additional details. Use of the certification marks is subject to the terms and conditions of the C2CPII Certification Agreement and Trademark Use Guidelines.

Amsterdam, The Netherlands | San Francisco, California, USA  
Cradle to Cradle Certified is a registered trademark of the Cradle to Cradle Products Innovation Institute.





# CHT Germany GmbH

Bismarckstr. 102, Tübingen, Germany

has successfully achieved  
**C2C Certified® Material Health Bronze**

for the product(s) under the name:

## Bronze Textile Finishing and Coating Auxiliaries by CHT

Certification Number

6547

Standard Version

4.0

Achievement Level

Bronze

Effective Date

06 March 2024

Expiration Date

16 June 2026

Lead Assessment Body

MBDC

Products Covered

Arristan 71, ECOPERL 4, Polyavin CL 100, Polyavin EFA, TUBINGAL BSM, TUBINGAL FMH, TUBINGAL HWS CONC, TUBINGAL RGH, TUBINGAL RISE, and TUBINGAL 9270

Elwyn Grainger-Jones

Executive Director

Cradle to Cradle Products Innovation Institute

### Phases and Processes considered in the Chemical Toxicity Assessment

Manufacturing, professional use, use; Intended end of use: recycling, release to the environment; Unintended end of use: landfilling, incineration, uncontrolled burning, release to the environment

### PRODUCT OPTIMIZATION SUMMARY

- Compliant with Leading Chemical Regulations
- Organohalogen substances of special concern and functionally-related non-halogenated classes of equivalent concern are below allowable thresholds (exemptions apply)
- No exposure to EU CLP Category 1 & 2 Carcinogens, Mutagens and Reproductive toxicants or Substances of Very High Concern; Carbon-bonded halogens are <1% of each material (exemptions apply)
- Meets VOC emissions testing requirements
- Meets VOC content requirements
- Product is optimized for material health (no grey or x-assessed chemicals)
- Process chemicals have been identified and none are grey or x-assessed
- Actions taken to reduce and eliminate emissions of hazardous chemicals in the product's supply chain

#### PERCENTAGE ASSESSED

97-100%

Method:  
chemical substances by number

Inventory threshold for chemicals in each material = 100 ppm

#### ASSESSMENT RATINGS



A/a: 53.6-71.3%



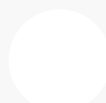
B/b: 0-2.8%



C/c: 10.8-46.3%



X/x: 0.1-12.1%



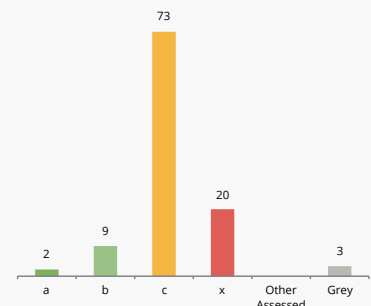
Other Assessed: 0%



Grey: 0-3%

% CHEMICAL SUBSTANCES

#### PRODUCT OPTIMIZATION



105 CHEMICAL SUBSTANCES

Note: Other assessed includes recycled content that has passed the required analytical tests, Externally Managed Components (EMCs) and/or Cradle to Cradle Certified inputs.

See the Cradle to Cradle Certified Product Registry at [www.c2ccertified.org](http://www.c2ccertified.org) for additional details.  
Use of the certification marks is subject to the terms and conditions of the C2CPII Certification Agreement and Trademark Use Guidelines.

Amsterdam, The Netherlands | San Francisco, California, USA  
Cradle to Cradle Certified is a registered trademark of the Cradle to Cradle Products Innovation Institute.

