

TOTO®

Drake® II

CST454CUFGT90 – 1G®
CST454CEFGT90 – 1.28gpf

Adaptable and tastefully designed, TOTO's Drake II Tornado Flush™ two-piece HET is accessible to everyone from all walks of life. Available in Drake II 1G or Drake II 1.28gpf option, this traditional style of toilet is easy to install and transport, and gives the comfort you have come to expect in TOTO's performance design, saving you water beautifully.



Performance Dashboard

Features & functionality

Tornado Flush™ flushing system
Powerful siphon jet, quiet flush every time
Sleek, high profile two-piece design
CeFIONtect™: Super smooth, ion barrier glazing keeps your toilet bowl cleaner with every flush
Universal Height
12" Rough-in

Visit TOTO for more product specifications for:

[CST454CUFG](#), [CST454CUFRG](#), [CST454CUF](#)
[CST454CEFG](#), [CST454CEFRG](#), [CST454CEF](#)

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Environmental performance

Improved by:

Lower water use
50% of all electricity from renewable resources
Kiln exhaust heat reused to power product dryers
Upcycling of post industrial porcelain waste into ceramic floor tile

Certifications & rating systems:

WaterSense® certified
Declare™ label
CALGreen® compliant



TORNADO® FLUSH

The dual-nozzle propulsion system allows more water to be directed at the siphon for a more powerful flush that maximizes cleaning action.

- Uses only 1.28 GPF or less
- State-of-the-art, hole-free rim design for easier cleaning
- Dual-nozzle bowl cleansing



Material Health Overview

Evaluation program: Declare

Declare labels are issued to products disclosing ingredient inventory, sourcing and end of life options. Declare labels are based on the Manufacturers Guide to Declare, administered by the International Living Future Institute.

How it works

Material ingredients are inventoried and screened against the [Living Building Challenge](#) (LBC) Red List which represents the 'worst in class' materials, chemicals, and elements known to pose serious risks to human health and the greater ecosystem. The Declare product database and label are used to select products that meet the Living Building Challenge's stringent materials requirements, streamlining the materials specification and certification process.

How this rating was achieved

Declare level

'Living Building Challenge Compliant' is achieved when the product contains Red List ingredients that have been given a temporary exception by the Living Building Challenge due to current market limitations.

What's in the product and why

Manufacturing in the United States means that robust human labor, safety and environmental rules and regulations were followed. Local sourcing of raw materials means that less smog and air pollution are generated as a result of transport. The ceramic body and glaze makes up ~92-93% of the total mass of the toilet. Therefore, manufacturing and transportation of the ceramic create the greatest human health impacts when compared to the overall manufacture of the entire toilet. *By specifying a Drake II toilet manufactured in the United States, the consumer helps mitigate these human health impacts.*

Red List materials

The toilet trip lever handle is plated with chrome (Hexavalent Chromium VI). Chromium material is used as a decorative finish in applications where corrosion-resistance and durability are required. During the chrome plating process health hazards have been identified and are managed according to the OSHA Guidelines. Process controls are used to protect the environment and the production workers wear personal protection equipment. After the plating process the chrome surface is inert and does not pose any health risks. The trip lever in the final form does not represent any hazards to the user. TOTO continues to investigate alternative finishes in order to reduce and/or eliminate Chromium VI on the toilet trip levers.

Where it goes at the end of its life

TOTO encourages consumers to recycle their used toilet and toilet parts. Contact your local municipality for recycling programs.

How we're making it healthier

PVC-Free versions of the Drake II do not use parts containing PVC (Polyvinyl Chloride). The manufacture of PVC requires vinyl chloride, as well as other chemicals such as plasticizers and phthalates, which give the material an elastomeric or rubber-like characteristic. The primary health concern is during the production process when the raw material components are in a powder or pelletized form. If inhaled or ingested the results can be toxic and potentially carcinogenic. *In the final form, materials are inert and not a hazard to the users of the toilet.*

As part of TOTO's efforts to reduce health impacts, PVC parts have been removed and replaced with materials of compatible functional strength and chemical resistance. Additionally, these parts are sourced within the continental United States. While there are no legislative or regulatory mandates to remove this material from a product, as part of our goal to mitigate adverse health impacts, TOTO has moved beyond compliance by voluntarily eliminating this compound.

Goals and plans for improvement:

- Utilize alternative materials to PVC, removing this compound from tank parts in all TOTO models.
- With no compromise to beauty, functionality or durability, TOTO intends to offer alternative finishes for trip levers that do not require Chromium VI.

Assessment scope and results

Content inventory: All ingredients identified by name and CAS #
Inventory threshold: 100 ppm

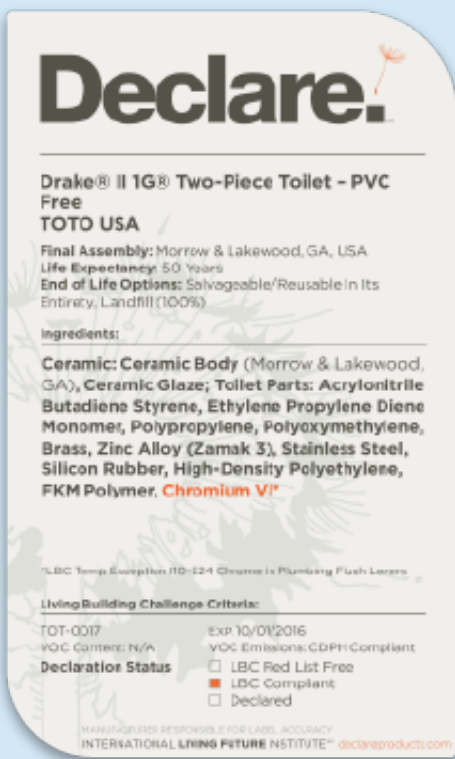
Declaration status:

The Declare product database and label are used to select products that meet the LBC's stringent materials requirements, streamlining the materials specification and certification process.

- LBC Red List Free ?
- LBC Compliant ?
- Declared ?

● Drake® II PVC-Free – 1G®

● Drake® II PVC-Free – 1.28gpf



Click on each label to see the full declaration

References

Declare

TOTO USA, Declare label for Drake II CST454CUFGT90
TOTO USA, Declare label for Drake II CST454CEFGT90

Manufacturer's Guide to Declare

A comprehensive guide providing information about the program, the assessment methodology, how to submit material data to obtain a Declare label and how they are used to meet the Health & Happiness and Materials Petals of the Living Building Challenge.

Rating systems

LEED v4, Building product disclosure and optimization Material Ingredients

Credit values:

- | | |
|--|-----------|
| ✓ Option 1. Material ingredient reporting | 1 product |
| ○ Option 2. Material ingredient optimization | 1 product |

Living Building Challenge Living Building Challenge 3.0



Materials petal:

- Imperative 10. Red List Free
- ✓ Imperative 12. Responsible Industry
- ✓ Imperative 13. Living Economy Sourcing



SM Material Health Overview™

VERIFICATION

Evaluation

3rd party verified

Self-declared



Validity: 10/30/15 – 10/30/18
TOT – 11/01/2015 – MHO-03

The material health evaluation is self-declared and done in accordance with the Manufacturers Guide to Declare.

International Living Future Institute
501 East Madison St.
Seattle, WA 98122
www.living-future.org
206 223 2028

TOTO USA
1155 Southern Road
Morrow, GA 30260
www.totousa.com

Contact us

