

CLASSIFICATION: 09 53 23

PRODUCT DESCRIPTION: THE TATE STRUT STRUCTURAL CEILING GRID SYSTEM FOR DATA CENTERS IS USED WHERE LARGE, HEAVY ITEMS SUCH AS CABLE TRAYS, BUSBARS OTHER HEAVY ACCESSORIES NEED TO BE SUSPENDED WITHIN A BUILDING. THE SYSTEM ALLOWS YOU TO PRE-DESIGN AND SPECIFY THE SUPPORT SOLUTION IN ADVANCE AND IS LESS EXPENSIVE AND FASTER TO INSTALL THAN CUSTOM-BUILT ON SITE STRUCTURAL SUPPORT SYSTEMS. THE GALVANIZED STEEL STRUT PROFILE WITH POWDER COAT FINISH HAS INTEGRATED WELDED FLANGES WHICH SUPPORT TILES, LIGHT FIXTURES, AND RETURN AIR GRILLES. THE CONTINUOUS OPEN CHANNEL SLOT ON THE TOP SIDE ALLOWS FOR FULL FLEXIBILITY WHEN CONNECTING TO THE BUILDING STRUCTURE AND THE CONTINUOUS OPEN CHANNEL SLOT ON THE BOTTOM SIDE ALLOWS FOR FULL FLEXIBILITY WHEN SUSPENDING TRAYS, BUSBARS, AND OTHER ACCESSORIES. CONNECTORS ON THE TOP SIDE OF THE GRID ALLOW STARTER RODS TO EASILY CONNECT TO TURNBUCKLE AND HANGER ROD ASSEMBLIES EXTENDING FROM THE BUILDING CEILING. TATE STRUT IS FULLY CUSTOMIZABLE TO FIT EITHER A NOMINAL ACOUSTICAL TILE OR TO ANY CUSTOM MODULE SIZING. THIS HPD COVERS ALL COMPONENTS IN THE STRUCTURAL CEILING GRID SUPPORT SYSTEM.

Section 1: Summary

CONTENT INVENTORY

<p>Threshold per material</p> <p><input type="radio"/> 100 ppm</p> <p><input checked="" type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Per OSHA MSDS</p> <p><input type="radio"/> Other</p>	<p>Residuals and impurities considered in 1 of 1 materials</p> <p><input checked="" type="radio"/> see Section 2: Material Notes</p> <p><input checked="" type="radio"/> see Section 5: General Notes</p>	<p>Based on the selected Content Inventory Threshold:</p> <p>Characterized..... <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Are the Percent Weight and Role provided for all substances?</p> <p>Screened..... <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Are all substances screened using Priority Hazard Lists with results disclosed?</p> <p>Identified..... <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Are all substances disclosed by Name (Specific or Generic) and Identifier?</p>
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CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

TATE STRUT [IRON **LT-UNK** CARBON **LT-UNK** CHROMIUM **LT-UNK** | RES COPPER **LT-UNK** SILICON **LT-UNK** NICKEL **LT-1** | MAM | CAN | SKI | AQU | RES | MUL MANGANESE **LT-P1** | END ALUMINUM **LT-P1** | RES | END | PHY NIOBIUM **LT-UNK** TITANIUM **LT-UNK** PHOSPHORUS **BM-2** | AQU | PHY TITANIUM DIOXIDE **LT-1** | CAN TITANIUM DIOXIDE **LT-1** | CAN CARBON BLACK **LT-1** | CAN]

Number of Greenscreen BM-4/BM3 contents..... 0

Contents highest concern GreenScreen Benchmark or List translator Score..... LT-1

Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

This HPD was created with Basic Inventory.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: February 6, 2017	EXPIRY DATE*: February 6, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: February 10, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

TATE STRUT

HPD URL: %: 100.0000

Inventory Threshold: 1000 ppm Residuals Considered: Yes

Material Notes:

IRON

ID: 7439-89-6

%: 94.4907 - 99.9256

GS: LT-UNK

RC: Both

NANO: NO

ROLE: Runner and Connector

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: As the steel and cast iron used are commodities, there is likely recycled content included, though the actual amount is unknown. With metals, the exact amount of each element varies.

CARBON

ID: 7440-44-0

%: 0.0533 - 0.0916

GS: LT-UNK

RC: Both

NANO: NO

ROLE: Runner and Connector

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: As the steel and cast iron used are commodities, there is likely recycled content included, though the actual amount is unknown. With metals, the exact amount of each element varies.

CHROMIUM

ID: 7440-47-3

%: 0.0085 - 0.2131

GS: LT-UNK

RC: Both

NANO: NO

ROLE: Runner and Connector

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: As the steel and cast iron used are commodities, there is likely recycled content included, though the actual amount is unknown. With metals, the exact amount of each element varies.

COPPER

ID: 7440-50-8

%: Impurity/Residual	GS: LT-UNK	RC: Both	NANO: NO	ROLE: Impurity/Residual
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: As the steel and cast iron used are commodities, there is likely recycled content included, though the actual amount is unknown. With metals, the exact amount of each element varies.

SILICON

ID: 7440-21-3

%: Impurity/Residual	GS: LT-UNK	RC: Both	NANO: NO	ROLE: Impurity/Residual
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: As the steel and cast iron used are commodities, there is likely recycled content included, though the actual amount is unknown. With metals, the exact amount of each element varies.

NICKEL

ID: 7440-02-0

%: 0.0021 - 0.2131	GS: LT-1	RC: Both	NANO: NO	ROLE: Runner and Connector
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R23 - Toxic by Inhalation (gas, vapour, dust/mist)
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ORGAN TOXICANT	EU - R-phrases	R48: Danger of serious damage to health by prolonged exposure.
ACUTE AQUATIC	EU - R-phrases	R52 - Harmful to Aquatic Organisms
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer

ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction

SUBSTANCE NOTES: As the steel and cast iron used are commodities, there is likely recycled content included, though the actual amount is unknown. With metals, the exact amount of each element varies.

MANGANESE

ID: 7439-96-5

%: 0.0009 - 1.6787 GS: LT-P1 RC: Both NANO: NO ROLE: Runner and Connector

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SUBSTANCE NOTES: As the steel and cast iron used are commodities, there is likely recycled content included, though the actual amount is unknown. With metals, the exact amount of each element varies.

ALUMINUM

ID: 7429-90-5

%: 0.0000 - 1.9574 GS: LT-P1 RC: Both NANO: NO ROLE: Runner and Connector

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H228 - Flammable solid

PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: As the steel and cast iron used are commodities, there is likely recycled content included, though the actual amount is unknown. With metals, the exact amount of each element varies.

NIOBIUM

ID: 7440-03-1

%: Impurity/Residual GS: LT-UNK RC: Both NANO: NO ROLE: Impurity/Residual

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: As the steel and cast iron used are commodities, there is likely recycled content included, though the actual amount is unknown. With metals, the exact amount of each element varies.

TITANIUM

ID: 7440-32-6

%: Impurity/Residual GS: LT-UNK RC: Both NANO: NO ROLE: Impurity/Residual

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: As the steel and cast iron used are commodities, there is likely recycled content included, though the actual amount is unknown. With metals, the exact amount of each element varies.

PHOSPHORUS

ID: 7723-14-0

%: Impurity/Residual GS: BM-2 RC: Both NANO: NO ROLE: Impurity/Residual

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - R-phrases

R52 - Harmful to Aquatic Organisms

PHYSICAL HAZARD
(REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

SUBSTANCE NOTES: As the steel and cast iron used are commodities, there is likely recycled content included, though the actual amount is unknown. With metals, the exact amount of each element varies.

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.0000 - 0.1000 GS: LT-1 RC: None NANO: NO ROLE: Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: This amount varies depending on the chosen finish.

TITANIUM DIOXIDE

ID: 13463-67-7

%: 0.0000 - 0.1000 GS: LT-1 RC: None NANO: NO ROLE: Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: This amount varies depending on the chosen finish.

CARBON BLACK

ID: 1333-86-4

%: 0.0000 - 0.1000 GS: LT-1 RC: None NANO: NO ROLE: Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: This amount varies depending on the chosen finish.

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners),

Section 5: General Notes



MANUFACTURER INFORMATION

MANUFACTURER: Tate Inc.

CONTACT NAME: Butch Parsons

ADDRESS: 7510 Montevideo Road
Jessup, MD 20794
United States

TITLE: Sr. Sales Support Engineer

PHONE: 410-799-4200

WEBSITE: <http://tateinc.com/data-center/structural-ceilings/tate-strut> EMAIL: BParsons@tateinc.com

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity

GLO Global warming

PHY Physical Hazard (reactive)

CAN Cancer

MAM Mammalian/systemic/organ toxicity

REP Reproductive toxicity

DEV Developmental toxicity

MUL Multiple hazards

RES Respiratory sensitization

END Endocrine activity

NEU Neurotoxicity

SKI Skin sensitization/irritation/corrosivity

EYE Eye irritation/corrosivity

OZO Ozone depletion

LAN Land Toxicity

GEN Gene mutation

PBT Persistent Bioaccumulative Toxic

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

LT-P1 List Translator Possible Benchmark 1

BM-3 Benchmark 3 (use but still opportunity for improvement) **BM-2** Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator, and when available, full GreenScreen assessments. The HPD Open Standard does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.