

HPD UNIQUE IDENTIFIER: 12007537
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 09 53 23 Metal Acoustical Ceiling Suspension Assemblies
PRODUCT TYPE: Suspended Ceilings
PRODUCT DESCRIPTION: The Tate Strut Structural Ceiling Grid System for data centers is used where large, heavy items such as cable trays, busbars, or other heavy accessories need to be suspended within a building. 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 and all variations within the Tate Strut System.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Residuals/Impurities Evaluation	For all contents above the threshold, the manufacturer has:
→ Basic Method	→ Completed	
Threshold Disclosed Per	Explanation(s) provided :	Characterized
→ Product	Yes	Provided weight and role.
Threshold Level		Screened
→ 100 ppm		Provided screening results using HPDC-approved methods.
		Identified
		Provided name and CAS RN or other identifier.

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.	Number of Greenscreen BM-4/BM3 contents ... 0 Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, LT-1, BM-1 Nanomaterial ... No
PRODUCT MATERIAL OR SUBSTANCE RESIDUAL OR IMPURITY GREENSCREEN SCORE HAZARD TYPE	INVENTORY AND SCREENING NOTES: "Proprietary Ingredient Due Diligence Exception"; Method: "Direct entry of data without verifiability of CASRN or other identifier"
TATE STRUT IRON, ELEMENTAL LT-P1 END ALUMINUM LT-P1 END MAM PHY CHROMIUM LT-P1 END SKI MAM REP RES NICKEL LT-1 CAN MUL RES MAM SKI AQU MANGANESE LT-P1 END MUL REP MAM AQU COPPER LT-P1 MUL AQU MAM ZINC, ELEMENTAL LT-P1 MUL AQU UNDISCLOSED Not Screened UNDISCLOSED BM-1 CAN END MAM MAGNESIUM LT-UNK PHY MAM SKI EYE UNDISCLOSED BM-2 CAN MAM UNDISCLOSED LT-1 MUL RES GEN MAM EYE SKI AQU REP UNDISCLOSED BM-2 MAM UNDISCLOSED Not Screened UNDISCLOSED LT-UNK EYE CAN MAM UNDISCLOSED LT-UNK MAM UNDISCLOSED LT-UNK	Special Conditions applied: [Polymers] Tate Inc. worked with the HPDC Approved Preparer to confirm that all intentionally added ingredients, residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100ppm threshold.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

COMPLIANCE See Section 3 for additional listings.
VOC emissions: CDPH Standard Method - Not tested

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.
Pre-checked for LEED v5 Human Health 1.

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

TATE STRUT

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Tate Inc. worked with the HPDC Approved Preparer to confirm that all intentionally added ingredients, residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100ppm threshold.

OTHER PRODUCT NOTES:

IRON, ELEMENTAL

ID: 7439-89-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-06-04 11:57:53

%: 72.0400 - 82.6900

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Structure component

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Elemental component of steel alloy.

ALUMINUM

ID: 7429-90-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-06-04 11:57:53

%: 15.1200 - 15.5900

GreenScreen: LT-P1

RC: Both

NANO: No

SUBSTANCE ROLE: Structure component

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
PHY	GHS - Japan	H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2]
PHY	GHS - Malaysia	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
PHY	GHS - Australia	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
PHY	GHS - New Zealand	Pyrophoric solids category 1

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
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RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024
		Children's Toy Products
SUBSTANCE NOTES: Present in aluminum alloys 6063, 6005 and 6061 containing 30.5% post-consumer scrap and 35.4% pre-consumer scrap. Post-consumer material is sourced from end of life products such as automotive scrap, used beverage containers and architectural components. Pre-consumer material is sourced from manufacturing scrap during the production of the aluminum products.		

CHROMIUM		ID: 7440-47-3
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-06-04 11:57:54
%: 0.0100 - 4.6000	GreenScreen: LT-P1	RC: Both
		NANO: No
		SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
REP	GHS - New Zealand	Reproductive toxicity category 2
RES	GHS - Japan	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1A]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024
		Children's Toy Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024
		Cosmetics and Personal Care Products
SUBSTANCE NOTES: Present in steel alloy and aluminum alloys 6063, 6005 and 6061 containing 30.5% post-consumer scrap and 35.4% pre-consumer scrap. Post-consumer material is sourced from end of life products such as automotive scrap, used beverage containers and architectural components. Pre-consumer material is sourced from manufacturing scrap during the production of the aluminum products.		

NICKEL		ID: 7440-02-0
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-06-04 11:57:55
%: 0.0100 - 3.0200	GreenScreen: LT-1	RC: None
		NANO: No
		SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	CA EPA - Prop 65	Carcinogen
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans

CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
CAN	GHS - New Zealand	Carcinogenicity category 2
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
CAN	EU - Annex VI CMRs	Carcinogen Category 2 - Suspected human Carcinogen
SKI	GHS - New Zealand	Skin sensitisation category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
CAN	GHS - Australia	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Certain Metals
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 All Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Children's Toy Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Cosmetics and Personal Care Products
SUBSTANCE NOTES: Component of steel alloy and coating material.		

MANGANESE

ID: 7439-96-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-06-04 11:57:55			
%: 0.0000 - 1.8900			GreenScreen: LT-P1	RC: Both	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE		LIST NAME AND SOURCE			WARNINGS	
END		TEDX - Potential Endocrine Disruptors			Potential Endocrine Disruptor	
MUL		German FEA - Substances Hazardous to Waters			Class 3 - Severe Hazard to Waters	
REP		GHS - Japan			H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]	

MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 3
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
AQU	GHS - Japan	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Children's Toy Products
SUBSTANCE NOTES: Present in steel alloy and aluminum alloy 6063, 6005 and 6061 containing 30.5% post-consumer scrap and 35.4% pre-consumer scrap. Post-consumer material is sourced from end of life products such as automotive scrap, used beverage containers and architectural components. Pre-consumer material is sourced from manufacturing scrap during the production of the aluminum products.		

COPPER

ID: 7440-50-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-06-04 11:57:53		
%: 0.0000 - 1.4500	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
MUL	German FEA - Substances Hazardous to Waters		Class 3 - Severe Hazard to Waters		
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1		H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]		
MAM	GHS - Japan		H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]		
MAM	GHS - Japan		H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
RESTRICTED LIST	Perkins+Will (P+W)		P&W - Precautionary List Precautionary list of substances recommended for avoidance		
RESTRICTED LIST	Green Science Policy Institute (GSPI)		GSPI - Six Classes Precautionary List Antimicrobials		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)		C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Children's Toy Products		

ZINC, ELEMENTAL

ID: 7440-66-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2025-06-04 11:57:54
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HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Children's Toy Products

SUBSTANCE NOTES: Elemental component of aluminum alloy. Present in aluminum alloys 6063, 6005 and 6061 containing 30.5% post-consumer scrap and 35.4% pre-consumer scrap. Post-consumer material is sourced from end of life products such as automotive scrap, used beverage containers and architectural components. Pre-consumer material is sourced from manufacturing scrap during the production of the aluminum products.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **Not Screened**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
	Proprietary Ingredient Due Diligence Exception	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
	Proprietary Ingredient Due Diligence Exception	

SUBSTANCE NOTES: Information on this ingredient could not be obtained from the supplier by the Approved Preparer. For this substance entry, the 1% exclusion exception was utilized due to the supplier being unable to provide the propriety ingredient information. 1

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-06-04 11:57:54**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

CAN	IARC	Group 2b - Possibly carcinogenic to humans
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPll)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Cosmetics and Personal Care Products
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance. The GreenScreen® Benchmark Score of BM-1 comes from the HPDC Builder Tool. 2		

MAGNESIUM		ID: 7439-95-4
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-06-04 11:57:55
%: 0.0000 - 0.1900	GreenScreen: LT-UNK	RC: Both
		NANO: No
		SUBSTANCE ROLE: Structure component
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
PHY	GHS - Australia	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
PHY	GHS - Australia	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: Elemental component of aluminum alloy. Present in aluminum alloys 6063, 6005 and 6061 containing 30.5% post-consumer scrap and 35.4% pre-consumer scrap. Post-consumer material is sourced from end of life products such as automotive scrap, used beverage containers and architectural components. Pre-consumer material is sourced from manufacturing scrap during the production of the aluminum products.		

UNDISCLOSED		ID: Undisclosed
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2025-06-04 11:57:56

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Children's Toy Products

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance. The GreenScreen® Benchmark Score of BM-2 comes from the HPDC Builder Tool. 3

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-06-04 11:57:56

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
GEN	EU - Annex VI CMRs	Mutagen - Category 1B
GEN	GHS - Japan	H340 - May cause genetic defects [Germ cell mutagenicity - Category 1B]
GEN	GHS - Korea	H340 - May cause genetic defects [Germ cell mutagenicity - Category 1]
GEN	EU - GHS (H-Statements) Annex 6 Table 3-1	H340 - May cause genetic defects [Germ cell mutagenicity - Category 1A or 1B]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
GEN	GHS - New Zealand	Germ cell mutagenicity category 1
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
EYE	GHS - New Zealand	Serious eye damage category 1
MAM	GHS - New Zealand	Acute inhalation toxicity category 3
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 3
SKI	GHS - New Zealand	Skin sensitisation category 1

REP	GHS - Japan	H361 - Suspected of damaging fertility or the unborn child [Toxic to reproduction - Category 2]
MAM	GHS - Korea	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	GHS - New Zealand	Acute oral toxicity category 3
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]
MAM	GHS - Japan	H301 - Toxic if swallowed [Acute Toxicity (oral) - Category 3]
MAM	GHS - Korea	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
MAM	GHS - Japan	H331 - Toxic if inhaled [Acute toxicity (inhalation: dust, mist) - Category 3]
EYE	GHS - Korea	H318 - Causes serious eye damage [Serious eye damage/irritation - Category 1]
GEN	EU - SVHC List	Mutagenic - Candidate list
GEN	EU - REACH Annex XVII CMRs	Germ cell mutagens: Category 1B
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 All Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Cosmetics and Personal Care Products

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance. 4

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library				HAZARD SCREENING DATE: 2025-06-04 11:57:57
%: 0.0100 - 0.0100	GreenScreen: BM-2	RC: None	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]		
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPiI)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Children's Toy Products		

SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance. The GreenScreen® Benchmark Score of BM-2 comes from the HPDC Builder Tool. 6

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library				HAZARD SCREENING DATE: Not Screened	
%: 0.0100 - 0.0100		GreenScreen: Not Screened	RC: None	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
Proprietary Ingredient Due Diligence Exception					
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
Proprietary Ingredient Due Diligence Exception					
SUBSTANCE NOTES: Information on this ingredient could not be obtained from the supplier by the Approved Preparer. For this substance entry, the 1% exclusion exception was utilized due to the supplier being unable to provide the propriety ingredient information. 7					

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library				HAZARD SCREENING DATE: 2025-06-04 11:57:57	
%: 0.0100 - 0.0100		GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE		LIST NAME AND SOURCE		WARNINGS	
EYE		GHS - New Zealand		Eye irritation category 2	
CAN		GHS - Japan		H351 - Suspected of causing cancer [Carcinogenicity - Category 2]	
MAM		GHS - Japan		H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]	
ADDITIONAL LISTINGS		LIST NAME AND SOURCE		NOTIFICATION	
None found				No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance. 8					

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2025-06-04 11:57:56		
%: 0.0100 - 0.0100		GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Coating
HAZARD TYPE		LIST NAME AND SOURCE		WARNINGS	
MAM		GHS - Japan		H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]	
ADDITIONAL LISTINGS		LIST NAME AND SOURCE		NOTIFICATION	
None found				No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance. 9					

UNDISCLOSED

ID: **Polymer**

%: **0.0100 - 0.0100**

GreenScreen: **LT-UNK**

RC: **None**

NANO: **No**

POLYMER ROLE: **Coating**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

POLYMER TYPE: **Thermoplastic**

AVERAGE MOLECULAR WEIGHT : **>10,000 Da**

PERCENTAGE OF POLYMER WITH MOLECULAR WEIGHT LESS THAN 500 DA: **Unknown**

ADDITIONAL SUBSTANCES CONSIDERED: **Yes**

POLYMER NOTES: This polymer has been reported in accordance to [HPDC Special Conditions Policy](#) for polymers without disclosed CAS numbers.

ADDITIONAL NOTES: The HPDC Approved Preparer obtained full disclosure down to the 100ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance. 5

Section 3: 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.

VOC EMISSIONS		CDPH Standard Method - Not tested	
COMPLIANCE TYPE: Self-declared		ISSUE DATE: 2025-05-30	EXPIRY DATE: No expiration
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: None			
COMPLIANCE DETAILS:			
COMPLIANCE SCOPE:			
APPLICABLE FACILITIES: All			
COMPLIANCE URL:			
COMPLIANCE NOTES:			

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

Tate Inc. worked with the HPDC Approved Preparer to confirm that all intentionally added ingredients, residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 100 ppm threshold.

MANUFACTURER INFORMATION

MANUFACTURER: Tate, Inc.	WEBSITE: www.tateglobal.com
ADDRESS: 7001 Columbia Gateway Dr Suite 500	CONTACT NAME: Emma Johnson
Columbia, MD 21046	TITLE: Sustainability Coordinator
COUNTRY: USA	PHONE: (410) 980-1495
	EMAIL: Emma.Johnson@TateGlobal.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types		
AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	
GreenScreen (GS)		
BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)	
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)	
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown	
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.	
BM-U Benchmark Unspecified (due to insufficient data)		
GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org , and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).		
Recycled Types		
PreC Pre-consumer recycled content		
PostC Post-consumer recycled content		
UNK Inclusion of recycled content is unknown		
None Does not include recycled content		
Other Terms:		
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet		
Inventory Methods:		
Nested Method / Material Threshold Substances listed within each material per threshold indicated per material		
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product		
Basic Method / Product Threshold Substances listed individually per threshold indicated per product		
Nano Composed of nano scale particles or nanotechnology		
Third Party Verified Verification by independent certifier approved by HPDC		
Preparer Third party preparer, if not self-prepared by manufacturer		
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 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

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

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 standard noted.