

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
Basic Method

Threshold level

- 100 ppm
1,000 ppm
Per GHS SDS
Per OSHA MSDS
Other

Residuals/Impurities

- Considered
Partially Considered
Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes
No

Are All Substances Above the Threshold Indicated:

Characterized Percent Weight and Role Provided? Yes No

Screened Using Priority Hazard Lists with Results Disclosed? Yes No

Identified Name and Identifier Provided? Yes No

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
Benchmark or List translator Score..... LT-P1
Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

No residuals/impurities indicated. No other materials considered for this product.

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

RIGID GRID STRINGER [STEEL (STEEL) NoGS ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY POLYETHYLENE (POLYETHYLENE) LT-UNK CHROMIUM (III), INSOLUBLE SALTS (CHROMIUM (III), INSOLUBLE SALTS) LT-P1 | END 2-PROPENOIC ACID, POLYMER WITH BUTYL 2-PROPENOATE, ETHENYL ACETATE AND 2-ETHYLHEXYL 2-PROPENOATE (2-PROPENOIC ACID, POLYMER WITH BUTYL 2-PROPENOATE, ETHENYL ACETATE AND 2-ETHYLHEXYL 2-PROPENOATE) LT-UNK ETHYL ACETATE (ETHYL ACETATE) LT-UNK | EYE | PHY]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

No certifications have been added to this HPD.

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2017-09-14
PUBLISHED DATE: 2017-11-01
EXPIRY DATE: 2020-09-14

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 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

RIGID GRID STRINGER

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals/impurities indicated.

OTHER PRODUCT NOTES: No other materials considered for this product.

STEEL (STEEL)

ID: 12597-69-2

#: 94.5300 GS: NoGS RC: Both NANO: No ROLE: Structure

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: 38.6% Pre-Consumer, 23.1% Post-Consumer Recycled Content.

ZINC (ZINC)

ID: 7440-66-6

#: 5.1200 GS: LT-P1 RC: None NANO: No ROLE: Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

CHRON AQUATIC

EU - GHS (H-Statements)

H410 - Very toxic to aquatic life with long lasting effects

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: Protective coating.

POLYETHYLENE (POLYETHYLENE)

ID: 9002-88-4

#: 0.2100 GS: LT-UNK RC: None NANO: No ROLE: Gasket

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists
SUBSTANCE NOTES: Gasket	

CHROMIUM (III), INSOLUBLE SALTS (CHROMIUM (III), INSOLUBLE SALTS)

ID: 16065-83-1

#: **0.1200** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Coating**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
ENDOCRINE	TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor
SUBSTANCE NOTES: Protective Coating	

2-PROPENOIC ACID, POLYMER WITH BUTYL 2-PROPENOATE, ETHENYL ACETATE AND 2-ETHYLHEXYL 2-PROPENOATE (2-PROPENOIC ACID, POLYMER WITH BUTYL 2-PROPENOATE, ETHENYL ACETATE AND 2-ETHYLHEXYL 2-PROPENOATE)

ID: 35239-19-1

#: **0.0100** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Adhesive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists
SUBSTANCE NOTES: Gasket adhesive	

ETHYL ACETATE (ETHYL ACETATE)

ID: 141-78-6

#: **0.0010** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Gasket adhesive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
EYE IRRITATION	EU - R-phrases R36 - Irritating to eyes
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements) H225 - Highly flammable liquid and vapour
EYE IRRITATION	EU - GHS (H-Statements) H319 - Causes serious eye irritation
SUBSTANCE NOTES: Gasket component	

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of

+ 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

👁️ Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **ASM Modular Systems, Inc.**
ADDRESS: **9500 Industrial Center Drive
Ladson SC 29456, United States**
WEBSITE: **9500 Industrial Center Drive**

CONTACT NAME: **Justin Carter**
TITLE: **Engineer**
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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)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

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 Terms

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 v2.1 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.