

CLASSIFICATION: 223346

PRODUCT DESCRIPTION: HASFLEX MI is a range of fully flexible thermally insulated ducting, which has been specially designed for the HVAC market. The HASFLEX MI range has been developed to minimise the heat gain or loss resulting from the temperature differential between the airflow and the surrounding ambient air. The vapour barrier prevents condensation forming on the outside of ducts carrying air at lower temperatures than the surrounding air. Construction HASFLEX MI is constructed with an inner duct (Hasflex MU) with either 25mm or 50mm fibreglass insulation and covered with an outer jacket, which acts as a vapour barrier. The jacket is a spirally produced multi-layer Aluminium/Polyester laminated fabric reinforced with a fibreglass yarn, which provides an outstanding combination of strength and tear resistance. Advantages • Supplied in standard 10 metre length, compressed to 1 metre • Individually boxed • Easy to connect to either round or oval ducting • No special tools required for cutting or fixing • In the event of a fire no toxic gases are emitted • The products have been successfully tested for fire resistance and conforms to BS476 Parts 6, 7 & 20

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
 Basic Method

Threshold Disclosed Per

- Material
 Product

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

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No
% weight and role provided for all substances.

Screened Yes Ex/SC Yes No
One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.

Identified Yes Ex/SC Yes No
One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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](#)

[HAS FLEX ALUMINIUM INSULATED FLEXIBLE DUCTING \[ALUMINIUM FOIL Not Screened MINERAL WOOL WITH FIBER DIAMETER > 6 µM LT-UNK POLYETHYLENE TEREPHTHALATE \(PET\) \(USE CASRN 25038-59-9\) NoGS \]](#)

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

No Notes

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: CDPH Standard Method V1.1 (Section 01350/CHPS) - Zero VOC emissions

Other: Material Safety Data Sheet

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

PREPARER: Self-Prepared
VERIFIER:

SCREENING DATE: 2020-04-24
PUBLISHED DATE: 2020-04-24

Yes
 No

VERIFICATION #:

EXPIRY DATE: 2023-04-24



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

HAS FLEX ALUMINIUM INSULATED FLEXIBLE DUCTING

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: No impurities considered as per further information

OTHER PRODUCT NOTES: **HASFLEX MI** is constructed with an inner duct (Hasflex MU) with either 25mm or 50mm fibreglass insulation and covered with an outer jacket, which acts as a vapour barrier. The jacket is a spirally produced multi-layer Aluminium/Polyester laminated fabric reinforced with a fibreglass yarn, which provides an outstanding combination of strength and tear resistance.

ALUMINIUM FOILID: **Unknown**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-04-24**%: **65.00 - 75.00**GS: **Not Screened**RC: **UNK**NANO: **Unknown**ROLE: **Body of Flex**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: **No Notes for this substance - it is purely aluminium foil****MINERAL WOOL WITH FIBER DIAMETER > 6 µM**ID: **65997-17-3**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-04-24**%: **10.00 - 20.00**GS: **LT-UNK**RC: **UNK**NANO: **Unknown**ROLE: **Insulation**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

POLYETHYLENE TEREPHTHALATE (PET) (USE CASRN 25038-59-9)ID: **25748-37-2**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-04-24**%: **5.00 - 10.00**GS: **NoGS**RC: **UNK**NANO: **No**ROLE: **Sheet Shaped Solid**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

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.

VOC EMISSIONS

CDPH Standard Method V1.1 (Section 01350/CHPS) - Zero VOC emissions

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2019-09-19**

EXPIRY DATE: **2020-09-18**

CERTIFIER OR LAB: **Supplier**

APPLICABLE FACILITIES: **None**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **No VOC emissions**

OTHER

Material Safety Data Sheet

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-01-09**

EXPIRY DATE: **2020-01-09**

CERTIFIER OR LAB: **SRF Limited**

APPLICABLE FACILITIES: **none**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Material Safety Data Sheet**

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

Technical data Inner duct: Hasflex MU Insulation: 16kg/m³ Fibreglass 25mm* Diameter range (mm): 80-610
Temperature range oc:-30/+140 Maximum air velocity: 30m/sec Max. positive working pressure: 2500pa Standard length: 10 metre Packing: Individual box of 10 metre



MANUFACTURER INFORMATION

MANUFACTURER: **Hotchkiss Air Supply**
 ADDRESS: **Heath Mill Road Wombourne**
Wombourne West Midlands WV5 8AP, United
Kingdom
 WEBSITE: **www.hotchkissairsupply.co.uk**

CONTACT NAME: **Patrick James**
 TITLE: **Operations Manager**
 PHONE: **01902895161**
 EMAIL: **pjames@hotchkissairsupply.co.uk**

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.