

HPD UNIQUE IDENTIFIER: 26210

CLASSIFICATION: 12 21 00 Window Blinds

PRODUCT DESCRIPTION: Apollo BLO FR is a PVC-free, flame retardant, blackout window blind. It is available as roller blind. With its extra wide fabric width up to 410 cm / 161,4" it sets new standards in terms of size and practicability. Additionally, Apollo FR shows excellent hanging attributes and even is railroadable.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	<input type="radio"/> Considered	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	<input type="radio"/> Partially Considered	% weight and role provided for all substances.
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input checked="" type="radio"/> Not Considered	Screened <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	Explanation(s) provided for Residuals/Impurities?	<i>One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No
			<i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i>

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

APOLLO BLO FR [POLYETHYLENE TEREPHTHALATE (PET) LT-UNK
ETHYLENEVINYLACETATE COPOLYMER LT-UNK
DECABROMODIPHENYL ETHANE BM-1 | PBT ANTIMONY TRIOXIDE
BM-1 | MUL | CAN RUTILE TITANIUM DIOXIDE LT-1 | CAN KAOLIN LT-
UNK | CAN POLYVINYL ACETATE LT-UNK TALC BM-1 | CAN COLOUR
PIGMENT Not Screened FOAM STABILIZER Not Screened
UNDISCLOSED LT-UNK RHEOLOGY MODIFIER Not Screened
DEFOAMER Not Screened]

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This declaration was created to the best of our knowledge. It does not exempt the processor of performing own tests and screening. In case of CAS RN# not known screening of substances, impurities and residuals could not be performed. All chemicals applied comply with REACH.

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: SCS Indoor Advantage Gold - Classroom & Office scenario

Other: OEKO-TEX Standard 100

Other: REACH European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-07-28

PUBLISHED DATE: 2021-10-06

EXPIRY DATE: 2024-07-28

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

APOLLO BLO FR

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: No evidence of residuals and impurities was identified by any supplier or found in our manufacturing process. The final products were not tested for existence of residuals or impurities. Potential residuals or impurities are listed in the respective substance section.

OTHER PRODUCT NOTES: This HPD covers a range of colors which leads to some variation in material composition of the finished products.

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-07-28 5:13:37

#: 38.0000 - 44.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Textile component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: This substance may contain traces of Antimony Trioxide and Titanium Dioxide. Both these residuals, if present, are bound / encapsulated in PET-(polyester) fibers. Exposure to dust is not expected to occur. According to Pharos Database further potential impurities are listed as Manganese Oxide, Nitrogen and Zinc Oxide.

ETHYLENEVINYLACETATE COPOLYMER

ID: 24937-78-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-07-28 5:16:44

#: 20.0000 - 25.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Binder

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: According to Pharos Database potential impurities are listed as 1,1-Dimethylethyl Hydroperoxide, Hydrogen Peroxide, Peroxydisulfuric Acid (disodium salt) and/or Sodium Formaldehyde Bisulfite.

DECABROMODIPHENYL ETHANE

ID: 84852-53-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2021-07-28 5:18:51

#: 8.0000 - 14.0000 GS: BM-1 RC: None NANO: No SUBSTANCE ROLE: Flame retardant

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PBT	OSPAR - Priority PBTs & EDs & equivalent concern	PBT - Chemical for Priority Action
PBT	EHP - San Antonio Statement on BFRs & CFRs	Flame retardant substance class of concern for PB&T & long range transport
PBT	ChemSec - SIN List	PBT / vPvB (Persistent, Bioaccumulative, & Toxic / very Persistent & very Bioaccumulative)

SUBSTANCE NOTES: This halogenated flame-retardant is no substance of high concern according to REACH. It is approved by Oeko-Tex. In Pharos Database no potential impurities are listed.

ANTIMONY TRIOXIDE

ID: 1309-64-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 5:20:33**

#: **3.0000 - 7.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Flame retardant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CAN	CA EPA - Prop 65	Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
CAN	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1B]

SUBSTANCE NOTES: Antimony trioxide is classified as a powder according to Regulation (EC) No. 1272/2008 as carcinogen, category 2. Antimony Trioxide is bound / encapsulated in PET- (polyester) Fiber. Exposure to dust is not expected to occur. Antimony Trioxide may contain traces of heavy metals. Only Antimony Trioxide subject to preliminary selection is processed.

RUTILE TITANIUM DIOXIDE

ID: 1317-80-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 5:23:30**

#: **2.0000 - 5.0000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	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

SUBSTANCE NOTES: Titanium Dioxide is classified as a powder according to Regulation (EC) No. 1272/2008 as carcinogen, category 2. It is bound / encapsulated in polymercoating. Exposure to dust is not expected to occur. According to Pharos Database further potential impurities are listed as Iron Oxide and/or Vanadium Pentoxide.

KAOLIN

ID: 1332-58-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 5:24:10**

#: **2.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: According to Pharos Database potential impurities are listed as Aluminum Oxide, Anatase, Ferrous Oxide, Lime, Magnesium Oxide, Phosphorus Pentoxide, Potassium Oxide, Quartz, Silicon Dioxide and/or Titanium Dioxide.

POLYVINYL ACETATE

ID: 9003-20-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 5:17:18**

#: **1.0000 - 3.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: According to Pharos Database potential impurities are listed as Vinyl Acetate, Hydrogen Peroxide and/or Peroxydisulfuric Acid (Disodium Salt).

TALC

ID: 14807-96-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-28 5:26:06**

#: **1.0000 - 3.0000** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	IARC	Group 2b - Possibly carcinogenic to humans

SUBSTANCE NOTES: This substance is registered under the REACH Regulation. According to the notifications provided by companies to ECHA in REACH registrations no hazards have been classified. According to Pharos Database further potential impurities are listed as Anthophyllite (Non-Asbestiform), Asbestos (Chrysotile), Actinolite, Quartz and/or Tremolite Asbestos.

COLOUR PIGMENT

ID: **Unknown**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **1.0000 - 5.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
		Hazard Screening not performed

SUBSTANCE NOTES: The chemical structures of colorants are dependent on the dyestuffs and pigments applied. Screening of residuals or impurities as well as stating one single CAS RN# is therefore not possible. All colorants applied are not classified as carcinogenic or allergenic nor banned and therefore are not excluded by Standard 100 by Oeko-Tex Annex 7, part 3 / part 4.

FOAM STABILIZER

ID: **Unknown**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **1.0000 - 2.0000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Stabilizer**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: This substance consists of several CAS RN# or is unknown. Screening of this additive substance as well as stating a single CAS RN# is therefore not possible. All chemicals used comply with REACH and Standard 100 by Oeko-Tex.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-09-10 7:46:39**

#: **1.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: According to Pharos Database potential impurities are listed as Ethyl Acrylate, Methacrylic Acid and/or Methyl Methacrylate.

RHEOLOGY MODIFIER

ID: **Unknown**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **0.0000 - 0.5000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: This substance consists of several CAS RN# or is unknown. Screening of this additive substance as well as stating a single CAS RN# is therefore not possible. All chemicals used comply with REACH and Standard 100 by Oeko-Tex.

DEFOAMER

ID: **Unknown**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **Not Screened**

#: **0.0000 - 0.5000** GS: **Not Screened** RC: **None** NANO: **No** SUBSTANCE ROLE: **Defoamer**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: This substance consists of several CAS RN# or is unknown. Screening of this additive substance as well as stating a single CAS RN# is therefore not possible. All chemicals used comply with REACH and Standard 100 by Oeko-Tex.

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	SCS Indoor Advantage Gold - Classroom & Office scenario		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-11-	EXPIRY DATE: 2021-	CERTIFIER OR LAB: SCS Global
APPLICABLE FACILITIES: All	11	11-10	Services / eco-INSTITUT Germany
CERTIFICATE URL: https://www.jm-techtex.com/scs-indoor-advantage-gold			GmbH

CERTIFICATION AND COMPLIANCE NOTES: The SCS Indoor Advantage™ Gold certificate is a proof of a test regarding harmful emissions of fabrics and products in the interior. Fabrics certified by SCS contribute to a better room air quality. The certificate ensures that JM fabrics are certified according to the below standards and do not exceed the specified limits. It is comparable to Greenguard certificate. The certification by SCS Global Services is based on the testing of emissions according to Californian Standard CDPH Standard Method v1.2 (CA 01350). This standard is used internationally and acknowledged by most building certifications (LEED, BREEAM, WELL). In Europe, DIN EN ISO 16000-9 (new: DIN EN 16516) states a comparable test on which DGNB and BREEAM are based on.

OTHER	OEKO-TEX Standard 100		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-12-	EXPIRY DATE: 2021-	CERTIFIER OR LAB: HOHENSTEIN
APPLICABLE FACILITIES: All	18	12-31	Textile Testing Institute GmbH &
CERTIFICATE URL: https://www.jm-techtex.com/oekotex			Co. KG

CERTIFICATION AND COMPLIANCE NOTES: Since 1972, the Oeko-Tex® Standard 100 has offered textile companies the opportunity to have their products' human ecological characteristics voluntarily tested and certified. Junkers & Müllers has had its entire sun shading, Mediatex and EventTex product ranges certified in accordance with the Oeko-Tex® Standard 100 IV and can therefore guarantee that its fabrics do not contain any harmful substances. The Oeko-Tex® label "Textile Trust" is a global synonym for responsible textiles manufacture – from raw materials through to the finished fabric. For the consumers, this label represents an important decision guidance. They can rest assured that they are buying high quality products, which are harmless to their health.

OTHER	REACH European Union Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals		
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2021-07-	EXPIRY DATE: 2021-	CERTIFIER OR LAB: -
APPLICABLE FACILITIES: All	08	12-31	
CERTIFICATE URL: https://www.jm-techtex.com/reach			

CERTIFICATION AND COMPLIANCE NOTES: The REACH system is based on the principle of own responsibility of the industry. Within the region of validity, and based on the "no data, no market" principle, only those chemical materials may be brought to the market that have previously been registered. The European Chemicals Agency (ECHA) issues a so-called "candidate list" naming the "hazardous substances". In accordance with the REACH directive, each supplier must identify the listed substances in their paperwork as soon as they take up a weight of more than 0.1 % of the overall product. We can assure that our products comply with the requirements of REACH directive in its latest version.

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

Apollo BLO FR is based on PES fibers and finished without the addition of PVC. All JM products are certified according to Standard 100 by Oeko-Tex, SCS Indoor Advantage Gold by SCS Global Services and comply with the high standards of the REACH regulation. JM's entire production process is designed to minimize any impact on the environment and natural resources. JM further strives to reduce its ecological footprint by continuous investments in the machinery to save both energy and CO2 emissions.

This HPD reports substances to the threshold level of 100 ppm. Health hazards scanned and screenings performed via Pharos Chemical and Materials Library. This HPD was created via the HPDC Online Builder tool.

MANUFACTURER INFORMATION

MANUFACTURER: Junkers & Müllers GmbH
ADDRESS: Bolksbuscher Str. 27
 Moenchengladbach NRW 41239, Deutschland
WEBSITE: www.jm-techtex.com

CONTACT NAME: Thomas Feicks
TITLE: Manager Research & Development
PHONE: +49 2166 39 39 63
EMAIL: thomas.feicks@jm-textile.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-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
BM-2 Benchmark 2 (use but search for safer substitutes)	
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	NoGS No GreenScreen.

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 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.