

Name Mecho®/5 Manual Shade System with EcoVeil®



Product ID Mecho®/5 with: 0950, 1350, 1550, 8050, 8065 Classification 12 24 13.00 Furnishings: Roller Window Shades

Website MechoSystems.com

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Description This solar product is a complete, manually operated, Cradle to Cradle Certified™ window-shading system. It is made up of an EcoVeil® shade cloth and the Mecho®/5 manual roller-shade hardware system. EcoVeil is a Cradle to Cradle Certified textile series, with 36 different designs. EcoVeil shade cloths are available in a range of openness factors—1%, 3%, and 5% open—and offered in two other collections, EcoVeil® Naturals and the McDonough Iceland Collection®. MechoSystems' Mecho/5 roller-shade system utilizes a patented self-lubricating clutch design with smooth, chain-driven operation. The heavy-duty Mecho/5 bracket maximizes the system's lift capacity. It can lift shades up to 126 in. (320cm) wide by 180 in. (457cm) high.

Release Date 2014-04-18 Expiry Date 2017-04-18
HPD URL http://tool.hpdcollaborative.org/uploads/files/hpds/339/379-20140418125535.pdf
Certification: Self-declared, Second Party, Third Party
Certifier, Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure: Measured 100 ppm (ideal), Measured 1000 ppm, Predicted by process chemistry, As per MSDS (1,000 & 10,000 ppm), Not disclosed, Other
Full Disclosure of Intentional Ingredients: Yes, No
Full Disclosure of Known Hazards: Yes, No
Disclosure Notes

Contents in Descending Order of Quantity

Undisclosed (Thermoplastic Olefin), Steel, BUTYLATED POLYOXYMETHYLENE UREA, Iron sinter, ANTIMONY TRIOXIDE, Undisclosed (UV Inhibitors), Undisclosed (Organic Pigment)

Hazards: PBT (Persistent Bioaccumulative Toxic), Cancer, Gene Mutation, Development, Reproductive, Endocrine, Respiratory
Highest concern GreenScreen score - List Translator Benchmark 1: Neurotoxicity, Mammal, Skin or Eye, Aquatic toxicity, Land toxicity, Physical hazard, Global warming, Ozone depletion, Multiple, Unknown

Total VOC Content: Material (g/L) N/A, Regulatory (g/L) N/A
Does the product contain exempt VOCs? N/A, Yes, No
Are there VOC-free tints available? N/A, Yes, No

Notes

Certifications + Compliance

VOC Emissions GreenGuard - Gold (previously Children & Schools) VOC Content N/A
Multi-attribute MBDC Cradle to Cradle - Silver (Version 2.1.1)

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an "open standard" developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit [hpdcollaborative.org](http://hpdcollaborative.org).

## CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level.

Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at [www.hpdcollaborative.org/hazardlists](http://www.hpdcollaborative.org/hazardlists).

**GS:** GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
<b>Hazard A</b>	<b>Warning A</b>					
<b>Hazard B</b>	<b>Warning B</b>					
<b>Hazard C</b>	<b>Warning C</b>					
<b>Hazard D</b>	<b>Warning D</b>					
<b>Hazard E</b>	<b>Warning E</b>					
<b>Notes</b>						
<b>Undisclosed (Thermoplastic Olefin)</b>	Unknown	50 %		N	N	Polymer
None found	No warnings found on HPD Priority lists					
Due to non disclosure agreements with the supplier and proprietary information, this material must remain undisclosed. According to a Cradle to Cradle multi-attribute assessment, this material contains no hazards.						
<b>Steel</b>	12597-69-2	35.68 %		BO	N	Stamping/Bracket, Rivet, Music Wire
None found	No warnings found on HPD Priority lists					
Low Carbon Steel C1010 T4, Carbon Steel SAE 1060-1090, Steel Low Carbon C1008-1010						
<b>BUTYLATED POLYOXYMETHYLENE UREA</b>	68002-19-7	6.86 %	LT-U	N	N	Sprocket, Housing
None found	No warnings found on HPD Priority lists					
Delrin 900P NC1010, Acetal Copolymer						
<b>Iron sinter</b>	65996-66-9	4 - 5 %	LT-U	PI	N	Wrap spring
None found	No warnings found on HPD Priority lists					
<b>ANTIMONY TRIOXIDE</b>	1309-64-4	2.11 %	LT-1	N	N	Flame Retardant
CANCER	Prop 65: Cancer (also in EU R-Phrases, IARC, EU H-Statements, MAK)					
CHRON AQUATIC	EU H-Statements: H411 - Aquatic Chronic 2 - Toxic to aquatic life with long lasting effects					
MULTIPLE	EPA Action: TSCA Work Plan chemical - Action Plan in development					

Window shade textiles are required to pass stringent flame retardant tests due to fire codes such as NFPA 701, AstmE84, CA. fire marshall, among others.

<b>Undisclosed (UV Inhibitors)</b>	Unknown	0.26 %		N	N	UV Inhibitor
None found	No warnings found on HPD Priority lists					
Due to non disclosure agreements with the supplier and proprietary information, this material must remain undisclosed. According to a Cradle to Cradle multi-attribute assessment, this material contains no hazards.						
<b>Undisclosed (Organic Pigment)</b>	Unknown	0.26 %		N	N	Pigments
None found	No warnings found on HPD Priority lists					
Due to non disclosure agreements with the supplier and proprietary information, this material must remain undisclosed. According to a Cradle to Cradle multi-attribute assessment, this material contains no hazards.						

## CERTIFICATIONS AND COMPLIANCE

**Certifying Party** = First: Manufacturer's self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).

**Applicable facilities** = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	GreenGuard - Gold (previously Children & Schools)			GreenGuard Environmental Institute (GEI)
	3rd party independent certification	2009-06-03	2014-06-03	<a href="http://productguide.ulenvironment.com/ProductDetail.aspx?productID=7669&amp;BrandID=653">productguide.ulenvironment.com/ProductDetail.aspx?productID=7669&amp;BrandID=653</a>
	ALL			
VOC Content	N/A			
Recycled Content	Not tested			
Multi-attribute	MBDC Cradle to Cradle - Silver (Version 2.1.1)			McDonough Braungart Design Chemistry (MBDC)
	3rd party independent certification	2013-08-05	2014-08-04	<a href="http://www.c2ccertified.org/products/scorecard/mecho_5_with_ecoveil_and_urban_shade_with_ecoveil">www.c2ccertified.org/products/scorecard/mecho_5_with_ecoveil_and_urban_shade_with_ecoveil</a>

**ACCESSORY MATERIALS**

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
<b>Condition when required or recommended and/or other notes</b>	

**NOTES**

According to a Cradle to Cradle multi-attribute assessment, this product's only hazard is attributed to antimony, of which it is only 2%. Window shade textiles are required to pass stringent flame retardant tests due to fire codes such as NFPA 701, AstmE84, CA. fire marashall, among others. The company has contributed both time and resources to develop a fire retardant that is healthy for occupants and also passes code.