

HPD UNIQUE IDENTIFIER: 21001

CLASSIFICATION: 12 56 51.13

PRODUCT DESCRIPTION: The Jelly carousels are freestanding, mobile, adjustable display units designed around the philosophy that today's patrons are coming to libraries for many reasons, and in order for items to catch their attention, they need to be presented in a fresh new way. The Jelly units allow our clientele to freely flow around them as they move through our library spaces, finding collections of materials that interest them. They allow librarians to create more playful and free-form browsing patterns than traditional stacks or two-sided units. As with everything in the Supple Collection, each surface of the Jelly carousel is available in a variety of eco-friendly materials covering a spectrum of colors, patterns, and textures, and like most of the items we make, they stand on industrial locking casters for smooth and easy rearranging. Jelly carousels also feature adjustable height shelving for books and other media of various sizes. Overhead signage holders allow you to call out what is currently being presented upon the shelves while allowing for easy access so that the collections can easily be changed out week in, week out.

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold level

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

Residuals/Impurities

Residuals/Impurities Considered in 0 of 7 Materials

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
All substances screened using Priority Hazard Lists with results disclosed.

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.

Threshold Disclosed Per

- Material
- Product

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

ROLLED STEEL (SHELVES) [THERMOPLASTIC ELASTOMER (POWDER COATING) NoGS] RICHLITE [POLYX-OIL Not Screened] 8020 [HARDWARE Not Screened] MEDIUM DENSITY FIBER BOARD (MDF) CASTERS (WHEEL) PLASTIC LAMINATE (PLAM) ACRYLIC

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... UNK
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Secondary Product Brand Name: Mobile Book Display Footprint: ~30"x 60" Height: `60" As with everything in the Supple Collection, each surface of the Jelly is available in a variety of eco-friendly materials covering a spectrum of colors, pat terns, and textures, and like most of the items we make , they stand on industrial locking casters for smooth and easy rearranging and feature adjustable height shelving for books and other media of various sizes. Overhead signage holders allow you to callout what is currently being presented upon the shelves and allow for easy access so that the collections can easily be changed out week in, week out.

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
Recycled content: DNV Recycled content - STP-CE-PC-IND-17
Recycled content: DNV Recycled content - STP-CE-PC-IND-17

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

Yes

No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: **2020-03-02**

PUBLISHED DATE: **2020-07-12**

EXPIRY DATE: **2023-03-02**



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

ROLLED STEEL (SHELVES)

#: 40.0000 - 40.0000

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Majestic Metals will promote and actively pursue the following action items concerning environmental, health and safety issues for its employees and the community. We have been recognized by numerous private organizations and public agencies for our proven dedication to environmental protection. At Majestic, we are as serious about our stewardship of the environment as we are about providing high quality products and service to our customers. Environmental Responsibility and Leadership Majestic Metals is committed to demonstrating leadership and responsibility for the actions which impact the environment in a manner which will balance the environmental, health, safety and economic interest of all affected parties. Implementation of environmental goals Assign a member of senior management the responsibility for the successful implementation of this environmental policy statement. Communication and cooperation To communicate with the community about Majestic Metals operations, and to cooperate with groups committed to the responsible protection and preservation of the environment. Efficient use of energy To use energy efficiently, to purchase whenever practical, updated equipment which uses less energy and to promote the use of new technology and methods which maximize output while minimizing energy consumption. Pollution prevention and waste reduction To prevent pollution whenever possible. To keep the production of waste generated by the company to a minimum by continually striving to maximize the conservation, reuse, and recycling. To encourage similar activities by suppliers, customers and others. Environmental education To train and educate all employees in environmental and safety principals. To serve as a source for employees and the community at large from which they can obtain information regarding environmental issues. Regulatory compliance To comply with the standards set forth by local, state and federal agencies, which include: ELP, OSHA, Colorado Department of Health and Environment and other responsible agencies. Community outreach To serve as a community resource to encourage responsible environmental stewardship. To provide service to community and national forums. To serve on commissions, boards and other responsible environmental activities where possible. Environmental Leadership Program Majestic Metals was selected by the U.S. Environmental Leadership Program (ELP) to be a charter member of the National Environmental Performance Track program. Performance Track is a voluntary public/private partnership that recognizes and rewards private and public U.S. facilities that demonstrate strong environmental performance beyond regulatory requirements. The performance Track program is based on the premise that governments should complement existing programs with new tools and strategies that not only protect people and the environment, but also capture opportunities for reducing cost and spurring technological innovations. To qualify, applicants were to have implemented an independently-assessed environmental management system, have a record of sustained compliance with environmental laws and regulations, commit to achieving measurable environmental results that go beyond compliance, and provide information to the local community on their environmental activities. In 2009, The Performance Track Program was replaced with the Colorado Environmental Leadership Program managed by the Colorado Department of Public Health and Environment. The Colorado program is our state wide environmental recognition and reward program which offers benefits and incentives to members that voluntarily go beyond compliance with state and federal regulations and are committed to continual environmental improvement. Majestic Metals is recognized as a charter member and remains a Gold Leader of the Environmental Leadership Program. To learn more about the ELP, please visit Colorado.gov

OTHER MATERIAL NOTES: Single-source suppliers of custom, precision sheet metal products.All substances in this material are below the reportable threshold.

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-03-02**

#: **1.0000 - 2.0000**

GS: **NoGS**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Powder coating**

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

SUBSTANCE NOTES: Powder coating is a type of coating that is applied as a free-flowing, dry powder. Unlike conventional liquid paint which is delivered via an evaporating solvent, powder coating is typically applied electrostatically and then cured under heat or with Ultraviolet light. The powder may be a thermoplastic or a thermoset polymer. It is usually used to create a hard finish that is tougher than conventional paint. Powder coating is mainly used for coating of metals, such as household appliances, aluminium extrusions, drum hardware, automobile, motorcycle, and bicycle parts.

OUR ENVIRONMENTAL RESPONSIBILITY

- Provide our customers with products that meet or exceed environmental regulation and provide assistance with their compliance efforts
- Set objectives to reduce emissions, waste and the use of natural resources
- Manage programs to meet environmental objectives.
- Promote employee participation in environmental programs.
- Work with suppliers to reduce environmental impacts.
- Maintain an environmental management system.
- Make this policy available to all interested parties.
- We have prepared a document that helps to simplify the new regulations facing our industry. To download the document, please click on the link to the right.

RICHLITE

#: **33.0000 - 35.0000**

MATERIAL THRESHOLD: **100 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

MATERIAL TYPE: **Paper or Cardboard**

RESIDUALS AND IMPURITIES NOTES: Using a phenolic resin in the manufacturing process, Richlite achieves unsurpassed quality in the finished product and minimizes energy consumption, with no added Urea Formaldehyde. In addition to reduced energy consumption, the phenolic resin has the EcoBind™ designation, due to the fact it is one of the lowest VOC emitters on the resin market. EcoBind™ resins have been formulated to meet or exceed all global emission standards including US HUD, European EMB, and Japanese standards, as well as specifications recommended by the Green Building Council and the State of California.

OTHER MATERIAL NOTES: With materials made from recycled content and pulp derived from responsibly harvested trees, Richlite's goal is to achieve success while leaving behind a smaller footprint. Complete with FSC® certification and GREENGUARD accreditation, Richlite is committed to minimizing its impact by using sustainably-derived resources, through sound manufacturing and business practices, and by working with partners who share similar goals. Richlite's openness is designed to hold the company and the industry accountable, and to create a dialogue on responsible manufacturing and distribution practices.

Richlite uses both ethanol and methanol as a solvent in the resin system. The choice to use a mixture is due to the low amount of energy required to burn off the emissions during the saturation process, as alternative resins require excessively higher amounts of energy. Through the process, called WE™ (Waste-to-Energy) Technology, essentially a closed-loop energy system, wasted resin is recaptured and used as fuel during the drying stage, minimizing Richlite's natural gas usage by 83%.

Richlite began tracking emissions in 2005 using the Greenhouse Gas Protocol (GHG Protocol), which was developed through a partnership between the World Resources Institute and the World Business Council for Sustainable Development. Richlite set a 5-year goal of reducing CO2 emissions by 30%. By 2010, Richlite exceeded the goal with a total 32% decrease of CO2 emissions.

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WE Technology

Richlite's exclusive saturation equipment captures energy from the manufacturing process and recycles it back into the heating system as energy.

1. The Vertical Drying Tower is heated to the required temperature, 600°F (315°C)
 2. Exhaust from the drying tower is captured and cooled to 230°F (110°C) by ambient air
 3. The cooled exhaust enters the heat exchanger at 230°F (110°C) and is heated to 600°F (315°C) as it passes 900°F (482°C) air (see step 5)
 4. A catalytic bed destroys 99.99% of VOC's which generates clean 900°F (482°C) air
 5. Part of the 900°F (482°C) air is sent back through the heat exchanger, cooling it to 400°F (204°C)
 6. The remaining 900°F (482°C) clean air is captured and returned to the drying tower – bypassing the heat exchanger
 7. Before exiting to the atmosphere, 30% of the 400°F (204°C) air is directed back to the drying tower
 8. Combining the 900°F (482°C) air with the 400°F (204°C) air equalizes to 600°F (315°C), which is recycled into the drying tower, eliminating the need for an additional heat source and creating self-sustaining energy
- All substances in this material are below the reportable threshold.

POLYX-OIL

ID: **Not Registered**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-03-02**

#: **0.5000 - 1.0000**

GS: **Not Screened**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Surface modifier**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: Osmo Polyx-Oil is a general purpose Hardwax-Oil wood finish that is derived from natural vegetable oils and waxes. Resistant to water, dirt, beer, wine, cola and saliva, Osmo Polyx-Oil is microporous and molecularly bonds with the wood, meaning it does not crack, flake, peel or blister. Can be spot-repaired and/or restored/renewed with no sanding required, therefore wood never needs complete sanding and refinishing again.□

Professional, clear, matte (3031) or satin (3043) wood finish with special surface hardness that uniquely combines the advantages of natural oils and waxes in one product. Osmo Polyx®-Oil

High Solid is resistant to dirt, water and abrasion and smoothens the surface. Will not crack, flake, peel or bubble. In comparison to conventional finishes, the use of plant ingredients creates a more evenly coloured and more harmonious appearance. Simple application – without primer or intermediate sanding – this saves time and money. Suitable for wood; microporous surface allows the wood to breathe and reduces swelling and shrinkage. Resistant to wine, beer, cola, coffee, tea, fruit juice, milk and water according to DIN 68861-1A – no water spots. When dry, finish is safe for humans, animals and plants and is suitable for children's toys as per EN 71.3 (European norm) and is resistant to saliva and perspiration according to DIN 53160 (German industrial norm).

Many customers would like to have environmentally friendly and safe products; however, at the same they still require good processing properties and a good value for money. Osmo is good for wood, good for people and good for the environment.

The production of wood products and finishes in our own plants in Germany provides transparency and security in all phases of the production process. Short transport ways improve the environmental performance of our products. But also craftsmanship is a valuable contribution to environmental protection due to the fact that the long lifetime of wood and wood finishes saves valuable resources.

NATURAL OILS AND WAXES

The basis of our wood finishes is formed by plant oils and waxes, in other words by sustainable raw materials: sunflower, linseed, soybean and thistle oils as well as carnauba and candelilla waxes. Our extensively cleaned pigments have been approved for use in the food industry. By using wood finishes from Osmo, your customers have chosen a natural and environmentally friendly protection for the valuable resource wood.

CERTIFIED ACCORDING TO PEFC AND FSC®

Osmo supports sustainable forestry and has an interest in an objective proof of origin for the wood we use. Since 2005 we have fulfilled the high standards of the FSC® and PEFC systems for our company and are therefore allowed to offer products with the relevant seals.

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: At 80/20 we go the extra mile to ensure you get the product you want how you want it. We adhere to rigorous quality checks throughout the entire product lifecycle. This 80/20 difference means that on every order, your parts will be cleaned and individually packed. Hardware and parts will be clearly labeled and packaged with appropriate measures for safe transit.

OTHER MATERIAL NOTES: Aluminum extrusion is a process by which aluminum alloy material is forced through a die with a specific cross-sectional profile.

A powerful ram pushes the aluminum through the die and it emerges from the die opening.

80/20's standard finishing process begins with the raw aluminum product; we machine the part, vibratory finish and/or sand it (depending on the item), and then move it into the anodize-coating process. The parts are given a visual inspection through each stage of the process to ensure high-quality and a consistent finish. It's worth noting that 80/20 is one of the only T-slot providers in the industry with in-house anodizing capabilities.

Anodizing adds a protective coating on the surface of aluminum. This increases the longevity of the product as well as provides a more aesthetic appearance. The anodize results in a strong, hard, durable, weather-resistant barrier that doesn't oxidize and is resistant to corrosion. It holds up against abrasive cleaners and is perfect in high use applications. It is also unaffected by sunlight and durable in the elements. All substances in this material are below the reportable threshold.

HARDWARE

ID: **Not Registered**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2020-03-02**

%: **1.0000 - 1.0000**

GS: **Not Screened**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Hardware**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

Hazard Screening not performed

SUBSTANCE NOTES: Fastenal's green initiatives are a logical evolution of our lean quality initiatives, which are focused on eliminating waste, creating efficiencies, and continuous improvement. Our green approach is to continuously improve our green credentials, with smart resource use and optimized distribution routes representing two key areas of focus contributing to overall company sustainability and responsibility. Our green approach is also aligned with our government contract compliance processes.

- It is our mission to operate our business with minimal environmental impact and help our customers do the same by offering green products and services to help them meet their sustainability needs and goals. This mission comprises the following initiatives:
- Establish a green product offering from key suppliers for national distribution and clearly identify those products in our marketing materials, including our catalogs, brochures, promotions, and website
- Offer recycling programs for lamps, ballasts, mercury-containing devices, batteries, printer cartridges and PPE safety products ensuring safe disposal
- Partner with lighting specialists to assist in the planning, specification and implementation of retrofit projects
- Capture and report green consumption data from customer usage reports
- Receive electronic POs, invoices, and other business documents from suppliers and customers whenever possible
- Encourage our customers to sign up for Electronic Invoicing via fax, email, or the web to reduce paper usage
- Offer industrial vending solutions to help reduce wasteful product consumption and redundancy
- Provide local service and solutions with more than 2,700 branch locations worldwide

Energy Conservation:

- HVAC filters should be changed once a month for optimal efficiency and performance
- Conduct energy audits to ensure your facility is using energy efficiently with testing and measurement devices
- Replace standard air filters with high efficiency filters
- Schedule regular maintenance checks for your HVAC systems
- Programmable thermostats can cut heating/cooling bills by 5-20% by focusing energy use when and where it's needed
- Turn down the thermostat setting on your water heater—for each 10°F reduction in water temperature, you can save between 3%-5% in energy costs
- Control direct sun through windows depending on the season and local climate

Use fans to help delay or reduce the need for air conditioning which will cut your overall cooling costs
Seal off windows and doors with caulk, sealant, or weather stripping
Energy efficient lighting can help a typical building lower its overall emissions by 13% simply by switching from incandescent bulbs to compact fluorescent lights (CFLs). They use about 80% less electricity and last roughly 9 times longer
Replace T12 fluorescent lamps with T8 or T5 lamps without sacrificing light quality
Upgrade to LED lighting for energy and maintenance cost savings
Use occupancy sensors to turn off lights in unoccupied areas
Replace old exit signage with new LED or Photo luminescent versions
Buy energy efficient products—Energy Star rated
Save energy by turning off non-essential peripherals when PC is in standby, hibernate or off state with standby outlets

Green Cleaning & Maintenance—For Improved Indoor Air Quality

Use Low or No-VOC paint
Use water-based or latex paint
Use paint instead of stains
Use Low-VOC adhesives
Caulks and sealants contribute to energy efficiency, but they also improve indoor air quality if they are Low-VOC
Use lubricants and greases that are certified Biobased
Replace standard air filters with high-efficiency filters
Implement a floor matting program to reduce the amount of dust and dirt inside facilities
Use microfiber cloths for cleaning to trap dust particles
Use Biobased hand cleaners and sanitizers
Use non-para urinal blocks
Use Green Seal, DfE, or EcoLogo Certified cleaning chemicals to reduce toxins in the environment
Use concentrated cleaning chemicals with ready-to-dispense cleaner systems
Use cleaning equipment that optimizes the use of cleaning fluids and reduces the amount of water needed for the application
Purchase low-emission office furnishings, certified by Greenguard or SCS when possible to ensure no off-gassing

Waste Reduction

Buy in bulk when possible
Use paper products made of recycled content throughout your facility
Use office supplies made of recycled content
Use coreless products to reduce packaging waste
Minimize waste with control settings on touchless towel dispensers
Use can liners with recycled content
Use compostable can liners if appropriate for your facility and you have access to a compost site
Use packaging materials that are made from recycled content or biodegrade
Use safety signage made from recycled content
Install foam soap dispensers with control settings to reduce chemical usage
Accurately portion cleaning chemicals with ready-to-dispense cleaner systems
Purchase reusable products such as rechargeable batteries and washable cloths to avoid unnecessary disposal
Use material handling and storage products that are made from recycled content
Clean with vacuums or blowers instead of water hoses to clear outside work areas
Purchase all products locally when possible—Find a Fastenal location near you
Provide recycling containers around facility
Recycle ink and toner cartridges—Buy remanufactured cartridges
Recycle the basics like paper, cardboard, plastics, cans, bottles, glass, but also look at materials like stretch film, steel and plastic banding, etc
Recycle electronic waste—televisions, cellular phones, computers, etc
Recycle used fluorescent lamps, ballasts, and batteries through our RecyclePak program

Water Conservation

Repair all leaky water pipes, fittings, toilets and sinks to avoid water waste
Install low-flow or waterless toilets and urinals
Install low-flow showerheads
Retrofit all water fixtures with low-flow flush valves
Install sensor operated faucets to reduce water waste
Use low-flow, efficient pre-rinse spray valves in commercial kitchen applications
Use flow restricted water hoses for landscaping projects
Use spill control pallets and/or drum storage units to prevent spills that can contaminate ground water
Install wash fountains in areas with multiple users at one time to save on water consumption

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED:

No

MATERIAL TYPE: Wood Dust, Fiber or

Chips

RESIDUALS AND IMPURITIES NOTES: National Wood Products stocks a variety of MDF panels in premium, standard & ultralight. This product is called an engineered or manufactured wood.

OTHER MATERIAL NOTES: MDF is an engineered wood product created by breaking down hardwood or softwood residuals into wood fibers combining it with wax and a resin binder, and forming panels by applying high pressure and temperature. All substances in this material are below the reportable threshold.

CASTERS (WHEEL)

#: 3.0000 - 3.0000

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

MATERIAL TYPE: Other, Polymeric Material and Steel

RESIDUALS AND IMPURITIES NOTES: Since 1927, this family owned and operated firm has seen to the industrial caster and furniture glide needs of the Rocky Mountain West. A large, comprehensive local stock of chair glides, office chair casters as well as convertible aluminum handtrucks, platform trucks and carts coupled with a well trained staff assures you speedy service and an excellent chance of finding those hard-to-find items. We also stock steel hand trucks and aluminum handtrucks from the following vendors: Magliner, RWM and Dutro. From the simplest nail-on-type glides to 40,000 pound capacity casters the L. G. Rathbun Company stocks and distributes a full line of glides, casters and non-powered material handling equipment.

OTHER MATERIAL NOTES: Wheel: Polymeric Material - A mixture of one or more polymer substance(s) or polymer mixture(s), all other functional additives (intentionally added substances), and unintentional impurities. Includes synthetic or naturally derived polymeric materials, as well as recycled material that is primarily polymeric.

Non-marking high grade thermo plastic elastomer tread chemically bonded to a polyolefin core
Excellent impact resistance & durability, will not flat spot.

Maximum resistance to cleaning chemicals, acids, alcohols, water and is excellent for washdown applications.

Mounting Plate: Metal - Any predominately metallic material, including metal alloys.
-Zinc plated finish

3-1/2" x 1-1/4" Swivel Caster with Non-Marking Wheel

Rubber on Polyolefin wheel wheel - gray on gray

Ball bearing in wheel

4-5/8" Mounting Height

2-29/32" Swivel Radius

2-3/8" x 3-5/8" Plate

1-3/4" x 2-7/8" -to- 3" Bolt Pattern

5/16" Mounting Bolt Diameter

Zinc plated finish

225 lbs capacity All substances in this material are below the reportable threshold.

PLASTIC LAMINATE (PLAM)

#: 2.0000 - 3.0000

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: We have adopted sustainable business practices throughout our global operations, embraced emerging green standards set forth by the building community and pioneered environmentally responsible products that have raised the bar for the entire surfacing industry. Our sustainability efforts have been – and will continue to be – focused, measured and supportive for our business. As a result, Formica Corporation will be a stronger, more sustainable company, poised to provide customers with cost-effective green building solutions for years to come. Browse our website to learn more about sustainability initiatives and achievements at Formica Corporation, product certifications and Life Cycle Assessment (LCA), as well as the comprehensive strategies we've employed to make a significant contribution to a sustainable future. Environmental Strategies As a responsible

corporate global citizen, Formica Corporation has established numerous programs of environmental management reflecting our belief that significant action must follow good intentions and ambitious goals. We continually develop strategies that enable us to move toward sustainability with efforts to: Reduce energy use throughout the life of our products Reduce carbon emissions by developing renewable energy sources, waste-to-energy technologies and fuel-efficient freight activities per recommendations from the National Center for Sustainable Transportation Work with suppliers to increase recycled and eco-friendly content in our raw materials, making mandatory the use of fibers from sustainable forests Green Principles in Practice Lifecycle Assessment: The specific impact criteria detailed in the LCA was based around -Energy usage -Greenhouse Gas Emissions (GHG) -Effect on environmental building assessment programs (LEED, BREAM) -Water usage Operations: Raw Material Management Stainless Steel Plates Formica Corporation has replaced a paper release system with pre-textured stainless steel plates to impart surface texture. These re-usable plates reduce the amount of scrap paper sent to landfill by as much as 80,000 cubic yards per year. Waste Management Batteries We recycle 100% of batteries that have reached the end of their useful life. Scrap Metal We recycle the scrap metal produced by our maintenance departments. Hydraulic Oils Formica Corporation collects hydraulic oils used on presses and sends the oils to a closed-loop filtration system that enables their perpetual re-use. Light Bulbs We recycle 100% of light bulbs that have reached the end of their useful life. Pallets Scrap wood pallets are ground into fuel, which produces steam for use within the facility. Packaging The packaging we use to ship Formica® Laminate and Formica® Solid Surfacing is made from recycled materials. It is also re-usable, recyclable and biodegradable Paper Recycling Unusable Kraft paper, cardboard packaging, paper roll wrappers and cores, and office papers are all recycled. Energy Management Closed-Loop, High Pressure Hot Water We have installed closed-loop, high-pressure hot water systems in the Cincinnati, Ohio, and St. Jean, Canada, plants to efficiently retain heat for successive pressings in the manufacturing process. Lighting High-efficiency lamps are installed throughout the manufacturing facilities in Cincinnati, Ohio, and St. Jean, Canada, and our distribution centers. Auto-sensor lighting is used in offices to conserve energy. Emissions Controls Formica Corporation controls particulate emissions at its manufacturing facilities. In addition, Formica has replaced solvent-based phenolic resins with water-based phenolic resins, thereby greatly reducing VOC Organizations use fossil fuels to produce energy. The CO2 generated as part of that process is released into the atmosphere. While we know carbon dioxide is absorbed by plants and trees within the natural carbon cycle, industry generally is producing more CO2 than plants and trees can absorb. The effect of this CO2 in the atmosphere is that the temperature of our planet is rising. Through process improvements and energy efficiencies, Formica Corporation is working to reduce its contribution to carbon emissions and environmental impacts. Formica® Brand products, emissions and energy We recognize that reducing reliance on fossil fuels is economically and ecologically imperative—and we, as a corporate citizen, have a responsibility to also investigate renewable sources of energy that have minimal carbon impact and can significantly replace the use of fossil fuels. By completing a detailed and comprehensive Life Cycle Analysis of our products, Formica Corporation understands the embodied energy required throughout production of all components of our products. This information allows us to set quantitative and qualitative objectives to reduce our energy consumption and therefore, our carbon emission values. Our supply chain partners have also shared with us their energy consumption data for review. Current status and activity We continuously engage in programs to reduce carbon impacts from our products and processes in all Formica Group facilities in North America, Europe and Asia. These strategies form a global program to reduce our total annual carbon footprint. We are also a member of the Carbon Disclosure Project, along with other leading global companies that contribute to worldwide initiatives to publicize, understand and reduce the potential effects of carbon emissions. Among the current strategies we employ: Closed loop press heating systems conserve hot water Biomass is used to generate energy at our Cincinnati, OH facility Advanced boiler control systems maximize energy combustion and reduce energy use High efficiency compressors and motors for buildings systems and manufacturing equipment Energy saving lighting systems Efficient freight routes to maximize fuel economy Exploration of other renewable energy sources that could effectively be incorporated Formica Corporation has established waste objectives to reduce the quantity of paper and other waste that is sent to landfill (landfill sites generate greenhouse gases). Green Buildings and Infrastructure Formica Corporation continuously develops new technologies, processes and products to deliver operational efficiencies and to fulfill emerging customer and stakeholder expectations. Formica Corporation recognizes sustainability and climate change as important drivers of new product development. Formica Corporation memberships include: -U.S. Green Building Council -ASID Industry Partner -Composite Panel Association -Mindful Materials

OTHER MATERIAL NOTES: A plastic made of superposed layers of paper, wood, or fabric bonded or impregnated with resin and compressed under heat. All substances in this material are below the reportable threshold.

ACRYLIC

#: 0.1000 - 0.1000

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Acrylic is not easily recycled nor is it readily biodegradable. Some acrylic plastics are highly flammable and must be protected from sources of combustion. acrylonitrile may cause cancer, according to the EPA with similar effects to cyanide. manufacturing acrylic fabric has both health and environmental impacts.

OTHER MATERIAL NOTES: Thickness +/- 10%.

Length and width +/- 1/16 inch"

Edge: Our prices reflect a sawcut edges. Polished, and special edge finishing

OPTIX 95 is a continuously processed acrylic sheet with a matte finish on one side that provides both decoration and reductions in surface reflection. The matte finish is resistant to fingerprints and smudges.

THE INDUSTRY'S PREFERRED CHOICE FOR CLEAR AND SIGN ACRYLIC

OPTIX exceeds industry standards for quality. It's impact-resistance, up to three times greater than double strength window glass; and up to five times stronger than wire glass, prohibits shattering. OPTIX clear acrylic sheets are backed by a 10-year limited non-yellowing warranty.

OPTIX is available in many color and pattern options and can be ordered in custom sizes and thicknesses. All substances in this material are below the reportable threshold.

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: **Self-declared** ISSUE DATE: **2020-07-12** EXPIRY DATE: CERTIFIER OR LAB: **Self-declared**
APPLICABLE FACILITIES: **Supple Collection**
CERTIFICATE URL:
CERTIFICATION AND COMPLIANCE NOTES: **inherently non-emitting source**

RECYCLED CONTENT

DNV Recycled content - STP-CE-PC-IND-17

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2007-07-24** EXPIRY DATE: **2021-07-22** CERTIFIER OR LAB: **Greenguard**
APPLICABLE FACILITIES: **Richlite**
CERTIFICATE URL:
<http://greenguard.org/en/index.aspx>

CERTIFICATION AND COMPLIANCE NOTES: **GREENGUARD Gold Certification** The GREENGUARD Gold Certification standard includes health-based criteria for additional chemicals and also requires lower total VOC emissions levels to help ensure that products are acceptable for use in environments like schools and healthcare facilities. In addition to limiting emissions of more than 360 VOCs and total chemical emissions, GREENGUARD Gold Certified products must also comply with requirements of the state of California's Department of Public Health (CDPH) "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.2 (2017)" (also known as California Section 01350). Office Furniture products that are GREENGUARD Gold Certified are also compliant with the BIFMA X7.1 standard and BIFMA e3 credits 7.6.1, 7.6.2, and 7.6.3.

RECYCLED CONTENT

DNV Recycled content - STP-CE-PC-IND-17

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2007-04-12** EXPIRY DATE: CERTIFIER OR LAB: **Forest Stewardship Council**
APPLICABLE FACILITIES: **Richlite**
CERTIFICATE URL: <https://info.fsc.org/details.php?id=a0240000005sVaxAAE&type=certificate&return=certificate.php>

CERTIFICATION AND 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

Secondary Product Brand Name: Mobile Book Display Footprint: ~30"x 60" Height: `60" As with everything in the Supple Collection, each surface of the Jelly is available in a variety of eco-friendly materials covering a spectrum of colors, pat terns, and textures, and like most of the items we make , they stand on industrial locking casters for smooth and easy rearranging and feature adjustable height shelving for books and other media of various sizes. Overhead signage holders allow you to callout what is currently being presented upon the shelves and allow for easy access so that the collections can easily be changed out week in, week out.



MANUFACTURER INFORMATION

MANUFACTURER: **Supple**

ADDRESS: **621 Kalamath Street**

Suite 130

Denver CO 80204, United States

WEBSITE:

<https://www.supplecollection.com/product/jelly-mobile-book-display/>

CONTACT NAME: **Frank Phillips**

TITLE: **Founder**

PHONE: **303-335-9559**

EMAIL: **frank@thepublicworks.biz**

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

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

LAN Land toxicity

MAM Mammalian/systemic/organ toxicity

MUL Multiple

NEU Neurotoxicity

NF Not found on Priority Hazard Lists

OZO Ozone depletion

PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)

REP Reproductive

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

UNK Unknown

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

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)

LT-1 List Translator 1 (Likely Benchmark-1)

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.)

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.