



Health Product  
DECLARATION

## SUMMARY DISCLOSURE

<b>Residuals Disclosure</b> <input type="checkbox"/> Measured 100 ppm (ideal) <input type="checkbox"/> Measured 1000 ppm <input checked="" type="checkbox"/> Predicted by process chemistry <input type="checkbox"/> As per MSDS (1,000 & 10,000 ppm) <input type="checkbox"/> Not disclosed <input type="checkbox"/> Other	<b>Full Disclosure of Intentional Ingredients</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Full Disclosure of Known Hazards</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Disclosure Notes</b> Suppliers were not able to provide information about residuals after several requests for this information. The suppliers may not have adequate resources to calculate the residuals and/or there is a lack of information from their suppliers (which are often offshore). Krug will continue to dialogue with its suppliers to obtain residuals information and update the associated HPDs as this information becomes available.
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Wood dust - unspecified, IRON, Maple, POLYURETHANE FOAMS, Birch, Manganese, ZINC, Nickel, Chromium, Steel, POLYETHYLENE, FORMALDEHYDE, NYLON, Carbon, CHROMIUM (VI) OXIDE, SILVER

**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

<b>Total VOC Content</b>				
<b>Material (g/L)</b>	N/A	<b>Does the product contain exempt VOCs?</b>	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Regulatory (g/L)</b>	N/A	<b>Are there VOC-free tints available?</b>	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Notes</b>				

Certifications + Compliance			
VOC Emissions	Not tested	VOC Content	N/A

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
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
Wood dust - unspecified		35.7 %		U	N	Component of MDF.
None found	No warnings found on HPD Priority lists					
Assumes MDF is 99.9% wood dust based on mass balance (subtracting formaldehyde component at 0.1%) as per supplier MSDS. Genus and species unknown.						
IRON	7439-89-6	25.74 %	LT-U	U	N	Component of metal parts (fasteners, frame assemblies, etc.)
None found	No warnings found on HPD Priority lists					
Maximum % concentration provided by suppliers used.						
Maple		22.01 %		N	N	Frame assembly component.
None found	No warnings found on HPD Priority lists					
Acer (sp.)						
POLYURETHANE FOAMS	9009-54-5	8.04 %	LT-U	U	N	Foam cushioning for seating and arm components.
None found	No warnings found on HPD Priority lists					
Birch		6.89 %		U	N	Seat panel.
None found	No warnings found on HPD Priority lists					
Trade name in MSDS is "Russian/Baltic Birch". Genus and species unknown.						

Manganese	7439-96-5	0.54 %	LT-P1	U	N	Component of metal parts (fasteners, frame assemblies, etc.)
ENDOCRINE	TEDX: Potential Endocrine Disruptor					
Maximum % concentration from supplier used.						
ZINC	7440-66-6	0.32 %	LT-P1	U	N	Component of metal parts (fasteners, frame assemblies, etc.)
ACUTE AQUATIC	EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life (also in EU R-Phrases)					
CHRON AQUATIC	EU H-Statements: H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects					
FLAMMABLE	EU H-Statements: H250 Catches fire spontaneously if exposed to air					
REACTIVE	EU H-Statements: H260 In contact with water releases flammable gases which may ignite spontaneously					
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
Maximum % concentration from supplier used.						
Nickel	7440-02-0	0.27 %	LT-1	U	N	Component of metal parts (fasteners, frame assemblies, etc.)
CANCER	Prop 65: Cancer (also in NTP-RoC, NIOSH-C, MAK, EU R-Phrases, IARC, EU H-Statements)					
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only (also in MAK)					
MAMMALIAN	EU R-Phrases: R23: Toxic by inhalation.					
SKIN IRRITATION	EU H-Statements: H317 May cause an allergic skin reaction					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact.					
ORGAN TOXICANT	EU R-Phrases: R48: Danger of serious damage to health by prolonged exposure. (also in EU H-Statements)					
ACUTE AQUATIC	EU R-Phrases: R52: Harmful to aquatic organisms.					
Maximum % concentration from supplier used.						
Chromium	7440-47-3	0.19 %	LT-U	U	N	Component of metal parts (fasteners, frame assemblies, etc.)
RESPIRATORY	AOEC: Asthmagen (ARs) - sensitizer-induced - inhalable forms only					
Maximum % concentration from supplier used.						
Steel	12597-69-2	0.13 %		U	N	Component of metal parts (fasteners, frame assemblies, etc.)
None found	No warnings found on HPD Priority lists					
Maximum % concentration from suppliers used.						
POLYETHYLENE	9002-88-4	0.05 %	LT-U	U	N	Glide component.
None found	No warnings found on HPD Priority lists					
FORMALDEHYDE	50-00-0	0.04 %	LT-1	U	N	Binder in MDF and plywood.
CANCER	IARC: Group 1: Agent is carcinogenic to humans (also in NTP-RoC, EPA-C, Prop 65, NIOSH-C, EU R-Phrases, EU H-Statements, MAK)					
RESPIRATORY	AOEC: Asthmagen (AG) - generally accepted					
MAMMALIAN	EU R-Phrases: R25: Toxic if swallowed. (also in EU H-Statements)					
SKIN IRRITATION	EU H-Statements: H317 May cause an allergic skin reaction (also in EU R-Phrases)					

SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
Formaldehyde in plywood = 2 ppm (0.0002%) as per MSDS. Formaldehyde in MDF =						
NYLON	63428-83-1	0.01 %		U	N	Glide component (optional item).
None found	No warnings found on HPD Priority lists					
Carbon	7440-44-0	0 %	LT-U	U	N	Fasteners (e.g. nuts and bolts) to assemble product.
None found	No warnings found on HPD Priority lists					
Maximum % concentration from supplier used.						
CHROMIUM (VI) OXIDE	1333-82-0	R	LT-1			Catalyst, POLYETHYLENE
CANCER	EU SVHC: Carcinogenic - Banned unless authorised (also in NTP-RoC, EU CMR (1), EU R-Phrases, EU H-Statements, NIOSH-C, EU CMR (2), IARC, Prop 65, MAK)					
REPRODUCTIVE	EU R-Phrases: R62: Possible risk of impaired fertility. (also in EU H-Statements, Prop 65)					
GENE MUTATION	EU SVHC: Mutagenic - Banned unless authorised (also in EU R-Phrases, EU H-Statements, EU CMR (1), EU CMR (2))					
RESPIRATORY	EU R-Phrases: R42: May cause sensitization by inhalation. (also in EU H-Statements)					
MAMMALIAN	EU R-Phrases: R25: Toxic if swallowed. (also in EU H-Statements)					
SKIN IRRITATION	EU H-Statements: H317 May cause an allergic skin reaction (also in EU R-Phrases)					
SKIN SENSITIZE	EU R-Phrases: R43: May cause sensitization by skin contact. (also in MAK)					
ORGAN TOXICANT	EU R-Phrases: R48: Danger of serious damage to health by prolonged exposure. (also in EU H-Statements)					
ACUTE AQUATIC	EU H-Statements: H400 - Aquatic Acute 1 - Very toxic to aquatic life (also in EU R-Phrases)					
CHRON AQUATIC	EU H-Statements: H410 - Aquatic Chronic 1 - Very toxic to aquatic life with long lasting effects					
REACTIVE	EU H-Statements: H271 May cause fire or explosion; strong oxidiser					
MULTIPLE	SIN: Classified CMR (Carcinogen, Mutagen &/or Reproductive Toxicant) (also in VwVwS)					
DEVELOPMENTAL	Prop 65: Developmental toxicity					
SILVER	7440-22-4	R	LT-P1			Catalyst, FORMALDEHYDE
MULTIPLE	VwVwS: Class 3 Severe Hazard to Waters					

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	Not tested
VOC Content	N/A
Recycled Content	Not tested
Other	

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
Condition when required or recommended and/or other notes	

NOTES