Framery O
by Framery Oy

Health Product Declaration v2.1

created via: HPDC Online Builder

CLASSIFICATION: 12 51 00

PRODUCT DESCRIPTION: Framery O is designed for making important calls, participating in video conferences and focusing on demanding tasks. The soundproof Framery O tackles the noise issues of the open office, increasing employee satisfaction and productivity. Ideally, the booths are installed in the middle of the workstations for easy access. Framery O features a wide range of colours and a few options for seating and tables. Automatic air ventilation creates a fresh and comfortable working environment. The product is easy to assemble and relocate when necessary.

Section 1: Summary

Nested 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

Residuals/Impurities Considered in 35 of 35 Materials

Explanation(s) provided for Residuals/Impurities?

- (•) Yes ( ) No

Are All Substances Above the Threshold Indicated:

Characterized (•) Yes ( ) No

Percent Weight and Role Provided?

Screened (•) Yes ( ) No

Using Priority Hazard Lists with Results Disclosed?

Identified ( ) Yes (•) No

Name and Identifier Provided?

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

BIRCH PLYWOOD [BIRCH (BIRCH PLYWOOD) NoGS PHENOL FORMALDEHYDE LT-P1 | RES WATER (WATER) NoGS LIMESTONE; CALCIUM CARBONATE LT-UNK CELLULOSE, MICROCRYSTALLINE (CELLULOSE) NoGS SODIUM CARBONATE LT-P1 | EYE AMMONIUM CHLORIDE LT-P1 | EYE | END] LAMINATED GLASS [SOLID / PLATE GLASS (FLOAT GLASS) LT-UNK] STAINLESS STEEL [304 STAINLESS STEEL (STAINLESS STEEL) NoGS] FORMPRESSED BIRCH PLYWOOD [BIRCH (BIRCH PLYWOOD) NoGS UREA FORMALDEHYDE LT-P1 | RES WATER (WATER) NoGS KAOLIN NoGS FORMIC ACID BM-2 | SKI RESORCINOL LT-P1 | END | AQU | SKI | EYE] FELT SHEET [POLYETHYLENE TEREPHTHALATE (PET) LT-UNK] ACOUSTIC PANELS [POLYETHYLENE TEREPHTHALATE (PET) LT-UNK] CARBON STEEL [STEEL NoGS] GALVANIZED STEEL [STEEL NoGS ZINC LT-P1 | AQU | END | MUL | PHY] PVB [POLYVINYL BUTYRAL (PVB) LT-UNK] FORMICA LAMINATE [KRAFT PAPER NoGS PHENOL FORMALDEHYDE LT-P1 | RES MELAMINE FORMALDEHYDE NoGS] MAGNET [STEEL NoGS NEODYMIUM-IRON-BORON ALLOY NoGS | PHY | SKI | EYE |] NYLON 66 [NYLON 6,6 LT-UNK] POWDER PAINT [POLYESTER NoGS UNDISCLOSED NoGS | TITANIUM DIOXIDE LT-1 | CAN | END CARBON BLACK LT-1 | CAN] PVC [POLYVINYL CHLORIDE (PVC) LT-P1 | RES] COPPER [COPPER LT-UNK] SEAL [ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM) LT-UNK CARBON BLACK LT-1 | CAN HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL) (PARAFFINIC PROCESS OIL) LT-1 | CAN | MUL BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYDROGENATED LT-UNK] STEEL [STEEL NoGS] POLYCARBONATE [POLYCARBONATE LT-UNK] ALUMINUM [ALUMINUM LT-P1 | RES | END | PHY] POLYURETHANE [POLYURETHANE FOAMS LT-UNK] PBT GF30 [PBT GF30 NoGS] ELECTRONICS [PRINTED CIRCUIT BOARD (PCB) NoGS | RES | END | PHY] ABS [ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER LT-UNK] SILICONE SEALANT [SILOXANES AND

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The Material "Electronics" is regarded as Special Condition Material by the HPD Collaborative and thus isn't fully screened. All of the Electronics in Framery O are RoHS compliant.

SILICONES, DI-ME, HYDROXY-TERMINATED BM-2 POLYDIMETHYLSILOXANES LT-P1 | PBT SILICA, AMORPHOUS LT-P1 | CAN DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE LT-1 | CAN | MUL] BRASS [BRASS NoGS |] POLYETHER SULFONE [POLYETHER SULFONE NoGS] NYLON 6 [NYLON 6 LT-UNK] WOOD GLUE [POLYVINYL ACETATE (PVA) LT-UNK] PDMS [POLYDIMETHYLSILOXANES LT-P1 | PBT] CHROMED STAINLESS STEEL [STAINLESS STEEL NoGS CHROMIUM LT-P1 | RES | END | SKI] ZINC [ZINC LT-P1 | AQU | END | MUL | PHY] POM [POLY(OXYMETHYLENE) NoGS] TINNED COPPER [COPPER LT-UNK TIN LT-UNK] WOOL [SHEEPS WOOL NoGS] ZAMAK 3 [ZAMAK 3 NoGS]

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: Compliance for Emission Classification of Building Materials - M1
Multi-attribute: CE marking
Other: IEC CB Scheme
Other: SGS NA NRTL

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- ○ Yes
- ◉ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2018-08-21
PUBLISHED DATE: 2018-09-03
EXPIRY DATE: 2021-08-21

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

BIRCH PLYWOOD

%: 36.0500 - 37.1400 **HPD URL: N/A**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Range is given since the weight of the plywood parts vary due to humidity. If any residuals or impurities would be present, those residuals or impurities would be noticed during the quality inspection of the plywood parts and so there aren't expected to be any impurities above the Content Inventory Threshold.

BIRCH (BIRCH PLYWOOD)

ID: Not registered

%: **83.6000 - 91.0000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Wood used in plywood.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given from supplier provided information.

PHENOL FORMALDEHYDE

ID: 9003-35-4

%: **6.9000 - 7.5000** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Resin**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Range is given from supplier provided information. Added during the plywood manufacturing process and forms plywood with hardener and birch wood veneers.

WATER (WATER)

ID: 558440-22-5

%: **5.0000 - 8.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Moisture in the wood**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given because plywood moisture content depends on humidity. Other CAS RN: 7732-18-5

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 0.3800 - 1.2000 GS: LT-UNK RC: UNK NANO: No ROLE: Part of hardener

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given from supplier provided information. Hardener is added during the plywood manufacturing process.

CELLULOSE, MICROCRYSTALLINE (CELLULOSE)

ID: 9004-34-6

%: 0.1500 - 0.6000 GS: NoGS RC: UNK NANO: No ROLE: Part of hardener

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given from supplier provided information. Hardener is added during the plywood manufacturing process.

SODIUM CARBONATE

ID: 497-19-8

%: 0.0800 - 0.2400 GS: LT-P1 RC: UNK NANO: No ROLE: Part of hardener

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation

SUBSTANCE NOTES: Range is given from supplier provided information. Hardener is added during the plywood manufacturing process.

AMMONIUM CHLORIDE

ID: 12125-02-9

%: 0.0500 - 0.1200 GS: LT-P1 RC: UNK NANO: No ROLE: Part of hardener

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

SUBSTANCE NOTES: Range is given from supplier provided information. Hardener is added during the plywood manufacturing process.

LAMINATED GLASS

%: 23.3598 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: If any residuals or impurities would be present, those residuals or impurities would be noticed during the quality inspection of the glasses and so there aren't expected to be any impurities above the Content Inventory Threshold.

SOLID / PLATE GLASS (FLOAT GLASS)

ID: 65997-17-3

%: 100.0000 GS: LT-UNK RC: UNK NANO: No ROLE: Glass

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

STAINLESS STEEL

%: 21.6850 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: If any residuals or impurities would be present, those residuals or impurities would be noticed during the quality inspection of the stainless steel parts and so there aren't expected to be any impurities above the Content Inventory Threshold.

304 STAINLESS STEEL (STAINLESS STEEL)

ID: 12597-68-1

%: 100.0000 GS: NoGS RC: UNK NANO: No ROLE: Stainless steel

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

FORMPRESSED BIRCH PLYWOOD

%: 4.7120 - 5.2940 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Range is given since the weight of the plywood parts vary due to humidity. If any residuals or impurities would be present, those residuals or impurities would be noticed during the quality inspection of the formpressed plywood parts and so there aren't expected to be any impurities above the Content Inventory Threshold.

BIRCH (BIRCH PLYWOOD)

ID: **Not registered**

%: **83.6000 - 91.0000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Wood used in plywood.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given from supplier provided information.

UREA FORMALDEHYDE

ID: **9011-05-6**

%: **7.5000** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Resin**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Adhesive substance in formpressed plywood

WATER (WATER)

ID: **558440-22-5**

%: **5.0000 - 8.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Moisture in the wood**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given because plywood moisture content depends on humidity. Other CAS RN: 7732-18-5

KAOLIN

ID: **12198-85-5**

%: **0.1000 - 0.6000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Part of hardener**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given to protect intellectual property of the hardener manufacturer.

FORMIC ACID

ID: **64-18-6**

%: **0.1000 - 0.6000** GS: **BM-2** RC: **UNK** NANO: **No** ROLE: **Part of hardener**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES: Range is given to protect intellectual property of the hardener manufacturer.

RESORCINOL

ID: 108-46-3

%: 0.0100 - 0.9000 | GS: LT-P1 | RC: UNK | NANO: No | ROLE: Part of hardener

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	EU - Priority Endocrine Disruptors	Category 1 - In vivo evidence of Endocrine Disruption Activity
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ENDOCRINE	ChemSec - SIN List	Endocrine Disruption
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Range is given to protect intellectual property of the hardener manufacturer.

FELT SHEET

%: 3.1325 | HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm | RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: If any residuals or impurities would be present, those residuals or impurities would be noticed during the quality inspection of the felt parts and so there aren't expected to be any impurities above the Content Inventory Threshold.

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

%: 100.0000 | GS: LT-UNK | RC: PostC | NANO: No | ROLE: PET

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance. Supplier has stated that "30% of our felt material is made from recycled material".

ACOUSTIC PANELS

%: 2.6352 | HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm | RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry

(Pharos CML).

OTHER MATERIAL NOTES: If any residuals or impurities would be present, those residuals or impurities would be noticed during the quality inspection of the acoustic panel parts and so there aren't expected to be any impurities above the Content Inventory Threshold.

POLYETHYLENE TEREPHTHALATE (PET) ID: 25038-59-9

%: 100.0000 GS: LT-UNK RC: PostC NANO: No ROLE: PET

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance. Supplier has stated that part of the PET is recycled.

CARBON STEEL %: 1.4863 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: If any residuals or impurities would be present, those residuals or impurities would be noticed during the installation of carbon steel parts and so there aren't expected to be any impurities above the Content Inventory Threshold.

STEEL ID: 12597-69-2

%: 100.0000 GS: NoGS RC: UNK NANO: No ROLE: Carbon steel

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

GALVANIZED STEEL %: 1.4600 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: If any residuals or impurities would be present, those residuals or impurities would be noticed when the galvanized steel parts are handled and so there aren't expected to be any impurities above the Content Inventory Threshold.

STEEL ID: 12597-69-2

%: **98.5000 - 99.9000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Steel part of galvanized steel**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given since the galvanizing varies depending on the galvanized steel component.

ZINC

ID: **7440-66-6**

%: **0.1000 - 1.5000** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Zinc part of galvanized steel**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: Range is given since the galvanizing varies depending on the galvanized steel component.

PVB

%: 0.7473 **HPD URL: N/A**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: If any residuals or impurities would be present in PVB, those residuals or impurities would be noticed during the quality inspection of the glasses and so there aren't expected to be any impurities above the Content Inventory Threshold.

POLYVINYL BUTYRAL (PVB)

ID: **63148-65-2**

%: **100.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Acoustical material**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

FORMICA LAMINATE

%: 0.7400 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: If there would be any residuals or impurities above the Content Inventory Threshold level, those residuals or impurities would be noticed since amount of the material in the end product is low.

KRAFT PAPER

ID: Not registered

%: 60.0000 - 77.0000 GS: NoGS RC: UNK NANO: No ROLE: Kraft paper

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given from supplier provided information.

PHENOL FORMALDEHYDE

ID: 9003-35-4

%: 20.0000 - 25.0000 GS: LT-P1 RC: UNK NANO: No ROLE: Resin

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Range is given from supplier provided information.

MELAMINE FORMALDEHYDE

ID: 94645-56-4

%: 5.0000 - 12.0000 GS: NoGS RC: UNK NANO: No ROLE: Resin

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given from supplier provided information.

MAGNET

%: 0.4708 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: If there would be any residuals or impurities above the Content Inventory Threshold level, those residuals or impurities would be noticed since amount of the material in the end product is low.

STEEL

ID: 12597-69-2

%: 58.5000 - 59.5000 GS: NoGS RC: UNK NANO: No ROLE: Steel part of magnets

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Amount of steel depends on the size of the magnet.

NEODYMIUM-IRON-BORON ALLOY

ID: 918106-59-9

%: 38.5000 - 39.5000 GS: NoGS RC: UNK NANO: No ROLE: Magnetic alloy

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
ORGAN TOXICANT	EU - GHS (H-Statements)	H335 - May cause respiratory irritation
ACUTE AQUATIC	EU - Manufacturer REACH hazard submissions	H402 - Aquatic Acute 3 - Harmful to aquatic life (unverified)
CHRON AQUATIC	EU - GHS (H-Statements)	H412 - Harmful to aquatic life with long lasting effects

SUBSTANCE NOTES: Amount of neodymium-iron-boron alloy depends on the size of the magnet.

NYLON 66

%: 0.3983 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: If there would be any residuals or impurities above the Content Inventory Threshold level, those residuals or impurities would be noticed since amount of the material in the end product is low.

NYLON 6,6

ID: 32131-17-2

%: 100.0000 GS: LT-UNK RC: UNK NANO: No ROLE: Nylon 66

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

POWDER PAINT %: 0.3659 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Colours are black and white, because these colours are used in the standard models. If there would be any residuals or impurities above the Content Inventory Threshold level, those residuals or impurities would be noticed since amount of the material in the end product is low.

POLYESTER ID: 113669-95-7

%: 50.0000 - 70.0000 GS: NoGS RC: UNK NANO: No ROLE: Adhesive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given to protect powder coat manufacturer intellectual property.

UNDISCLOSED ID: Not Registered

%: 5.0000 - 50.0000 GS: NoGS RC: UNK NANO: No ROLE: Filler and auxiliary agents

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CHRON AQUATIC	EU - GHS (H-Statements)	H412 - Harmful to aquatic life with long lasting effects

SUBSTANCE NOTES: Range is given since the amount of fillers and auxiliary agents depend on the colour. Powder paint supplier identifies that as the powder paint is applied to the metallic parts of the product, the chemistry of the powder paint filler and auxiliary agents is changed and thus a specific CAS number listing is incredibly difficult. HPDC recognises these reaction products as Special Condition in Version SC-1.0. Hazards have been identified from the supplier provided SDS.

TITANIUM DIOXIDE ID: 13463-67-7

%: 0.0000 - 30.0000 GS: LT-1 RC: UNK NANO: No ROLE: Pigment

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low

	risk under MAK/BAT levels

SUBSTANCE NOTES: Range is given to protect powder coat manufacturer intellectual property and because the pigment depends on the colour. Baan (2007) has stated that "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints." (Reference: Baan R. Carcinogenic Hazards from Inhaled Carbon Black, Titanium Dioxide, and Talc not Containing Asbestos or Asbestiform Fibers: Recent Evaluations by an IARC Monographs Working Group. Inhalation Toxicology [serial online]. August 2, 2007;19:213-228. Available from: Academic Search Elite, Ipswich, MA. Accessed September 3, 2018.)

CARBON BLACK

ID: 1333-86-4

%: **0.0000 - 1.0000** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Pigment**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Range is given to protect powder coat manufacturer intellectual property and because the pigment depends on the colour. Baan (2007) has stated that "No significant exposure to carbon black is thought to occur during the use of products in which carbon black is bound to other materials, such as rubber, printing ink, or paint." (Reference: Baan R. Carcinogenic Hazards from Inhaled Carbon Black, Titanium Dioxide, and Talc not Containing Asbestos or Asbestiform Fibers: Recent Evaluations by an IARC Monographs Working Group. Inhalation Toxicology [serial online]. August 2, 2007;19:213-228. Available from: Academic Search Elite, Ipswich, MA. Accessed September 3, 2018.)

PVC

%: 0.2331 **HPD URL: N/A**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: If there would be any residuals or impurities above the Content Inventory Threshold level, those residuals or impurities would be noticed since amount of the material in the end product is low.

POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

%: **100.0000** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **PVC**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: The material consists fully of this substance.

COPPER %: 0.2040 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

COPPER ID: 7440-50-8

%: 100.0000 GS: LT-UNK RC: UNK NANO: No ROLE: Copper

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

SEAL %: 0.1875 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM) ID: 25038-36-2

%: 20.0000 - 60.0000 GS: LT-UNK RC: UNK NANO: No ROLE: Seal

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given from the supplier provided information. Range is also given since the seal substances are dependent on the seal.

CARBON BLACK ID: 1333-86-4

%: 20.0000 - 60.0000 GS: LT-1 RC: UNK NANO: No ROLE: Pigment

HAZARDS:	AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Range is given from the supplier provided information. Range is also given since the seal substances are dependent on the seal. Baan (2007) has stated that "No significant exposure to carbon black is thought to occur during the use of products in which carbon black is bound to other materials, such as rubber, printing ink, or paint." (Reference: Baan R. Carcinogenic Hazards from Inhaled Carbon Black, Titanium Dioxide, and Talc not Containing Asbestos or Asbestiform Fibers: Recent Evaluations by an IARC Monographs Working Group. Inhalation Toxicology [serial online]. August 2, 2007;19:213-228. Available from: Academic Search Elite, Ipswich, MA. Accessed September 3, 2018.)

HYDROTREATED HEAVY PARAFFINIC PETROLEUM DISTILLATES (MINERAL OIL) (PARAFFINIC PROCESS OIL)

ID: 64742-54-7

%: **15.0000 - 50.0000** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Softener**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Range is given from the supplier provided information. Range is also given since the seal substances are dependent on the seal.

BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYDROGENATED

ID: 66070-58-4

%: **0.0000 - 100.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Seal**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given from the supplier provided information. Range is also given since the seal substances are dependent on the seal.

STEEL

%: 0.1416 **HPD URL: N/A**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

STEEL ID: **12597-69-2**

%: **100.0000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Steel**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

POLYCARBONATE %: 0.1236 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

POLYCARBONATE ID: **25037-45-0**

%: **100.0000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Polycarbonate**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

ALUMINUM %: 0.1229 HPD URL:

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

ALUMINUM

ID: 91728-14-2

%: 100.0000 | GS: LT-P1 | RC: UNK | NANO: No | ROLE: Aluminum

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: Material consists fully of this substance. Hazards identified concern aluminum in powder or fumigated state. Aluminum parts used in Framery products are machined or extruded solid aluminum parts and thus the hazards identified do not concern the parts used in Framery's products.

POLYURETHANE

%: 0.1169 | HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm | RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

POLYURETHANE FOAMS

ID: 9009-54-5

%: 100.0000 | GS: LT-UNK | RC: UNK | NANO: No | ROLE: Foam

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

PBT GF30

%: 0.1137 | HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm | RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to

be present in the material.

PBT GF30

ID: **Not registered**

%: **100.0000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **PBT GF30**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

ELECTRONICS

%: 0.0796 **HPD URL: N/A**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Special Condition Applied: Electronics

PRINTED CIRCUIT BOARD (PCB)

ID: **Not Registered**

%: **100.0000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Printed Circuit Board**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: Version = SCElec/2018-02-23. Electronics used to control the electrical sockets, lights and fans in the product. All electronics in Framery O are RoHS compliant. As a take-back program Framery is member of Elker: http://www.elker.fi/en/producers/producer-responsibility/producer-responsibility. Hazards have been identified from the aluminum contained in the electronics. Aluminum used in electronics is in solid state form and thus the hazards don't concern the electronics (Check further information from the "Aluminum" material).

ABS

%: 0.0774 **HPD URL: N/A**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER

ID: 9003-56-9

%: 100.0000 GS: LT-UNK RC: UNK NANO: No ROLE: ABS plastic

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

SILICONE SEALANT

%: 0.0708 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED

ID: 70131-67-8

%: 50.0000 - 60.0000 GS: BM-2 RC: UNK NANO: No ROLE: Adhesive

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given from supplier provided information.

POLYDIMETHYLSILOXANES

ID: 63148-62-9

%: 15.0000 - 20.0000 GS: LT-P1 RC: UNK NANO: No ROLE: Adhesive

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

SUBSTANCE NOTES: Range is given from supplier provided information.

SILICA, AMORPHOUS

ID: 7631-86-9

%: 5.0000 - 10.0000 GS: LT-P1 RC: UNK NANO: No ROLE: Adhesive

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Range is given from supplier provided information.

DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE

ID: 64742-46-7

%: **1.0000 - 10.0000** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Adhesive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Range is given from supplier provided information.

BRASS

%: 0.0686 **HPD URL: N/A**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

BRASS

ID: 63338-02-3

%: **100.0000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **Brass alloy**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ACUTE AQUATIC	Australia - GHS	H400 - Very toxic to aquatic life M = 10

SUBSTANCE NOTES: The material consists fully of this substance. Substance hazards have been identified from a SDS about Brass.

POLYETHER SULFONE %: 0.0682 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

POLYETHER SULFONE ID: 25667-42-9

%: 100.0000 GS: NoGS RC: UNK NANO: No ROLE: Polyether sulfone

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

NYLON 6 %: 0.0604 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

NYLON 6 ID: 25038-54-4

%: 100.0000 GS: LT-UNK RC: UNK NANO: No ROLE: Nylon 6

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

WOOD GLUE %: 0.0463 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content

Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

POLYVINYL ACETATE (PVA) ID: **9003-20-7**

%: **99.0000 - 99.5000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Adhesive**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given from supplier provided information.

PDMS %: 0.0339 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

POLYDIMETHYLSILOXANES ID: **63148-62-9**

%: **100.0000** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **PDMS**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

SUBSTANCE NOTES: The material consists fully of this substance.

CHROMED STAINLESS STEEL %: 0.0278 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

STAINLESS STEEL

ID: 12597-68-1

%: 95.0000 GS: NoGS RC: UNK NANO: No ROLE: Stainless steel core of chromed stainless steel

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Works as a structural substance.

CHROMIUM

ID: 7440-47-3

%: 5.0000 GS: LT-P1 RC: UNK NANO: No ROLE: Chrome coating in chromed stainless steel

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Works as the surface material.

ZINC

%: 0.0254 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

ZINC

ID: 7440-66-6

%: 100.0000 GS: LT-P1 RC: UNK NANO: No ROLE: Zinc

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases

	which may ignite spontaneously

SUBSTANCE NOTES: The material consists fully of this substance.

POM

%: 0.0243 **HPD URL: N/A**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 5% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

POLY(OXYMETHYLENE)

ID: 9002-81-7

%: **100.0000** GS: **NoGS** RC: **UNK** NANO: **No** ROLE: **POM plastic**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

TINNED COPPER

%: 0.0227 **HPD URL: N/A**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 40% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

COPPER

ID: 7440-50-8

%: **97.8000 - 99.5000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Copper part of tinned copper**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given since the tin layer varies depending on the tinned copper component.

TIN

ID: 7440-31-5

%: 0.5000 - 2.2000 GS: LT-UNK RC: UNK NANO: No ROLE: Tin part of tinned copper

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Range is given since the tin layer varies depending on the tinned copper component.

WOOL

%: 0.0183 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 50% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

SHEEPS WOOL

ID: Not registered

%: 100.0000 GS: NoGS RC: UNK NANO: No ROLE: Wool

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

ZAMAK 3

%: 0.0173 HPD URL: N/A

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: Residuals or impurities above the Content Inventory Threshold level would make over 40% of the weight of the material and so residuals and impurities above the Content Inventory Threshold level aren't expected to be present in the material.

ZAMAK 3

ID: Not registered

%: 100.0000 GS: NoGS RC: UNK NANO: No ROLE: Zamak 3

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: The material consists fully of this substance.

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 — **Compliance for Emission Classification of Building Materials - M1**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL:

ISSUE DATE: 2016-12-30

EXPIRY DATE:

CERTIFIER OR LAB: VTT Technical Research Centre of Finland

CERTIFICATION AND COMPLIANCE NOTES: Analysis method used for TVOC emissions was EN ISO 16000-6 and for formaldehyde EN 717-1. The laboratory has stated that "The emissions into indoor air from the telephone booth can be related to a M1- classified product, when the air exchange is continuously on." Emissions from the telephone booth into indoor air (volatile organic com-pounds VOC, formaldehyde, ammonia) were measured at standard conditions (temperature, humidity, air exchange). The test report and certificate is available upon request.

MULTI-ATTRIBUTE — **CE marking**

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: All
CERTIFICATE URL:

ISSUE DATE: 2018-02-01

EXPIRY DATE:

CERTIFIER OR LAB: None

CERTIFICATION AND COMPLIANCE NOTES: Framery’s products are CE marked. EC directives relevant to Framery’s CE marking are: Low Voltage Directive (LVD) 2006/95/EC, Electromagnetic Compatibility Directive (EMC) 2004/108/EC, Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU and Ecodesign Directive 2009/125/EC

OTHER — **IEC CB Scheme**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL: https://www.sgs.com/en/certified-clients-and-products/electrical-products/modal-electrical-certificate-view?certno=FI+9050+M2%7cProcert

ISSUE DATE: 2018-04-25

EXPIRY DATE:

CERTIFIER OR LAB: SGS Fimko Ltd.

CERTIFICATION AND COMPLIANCE NOTES: Safety of electrical and electronic components. The electrical safety of our products is tested and found to meet CB requirements by an accredited testing laboratory, SGS Finland, as indicated by the CB test certificate. Furthermore, our products are NRTL certified in the USA and Canada.

OTHER — **SGS NA NRTL**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL: https://www.sgs.com/en/certified-clients-and-products/electrical-products/modal-electrical-certificate-view?certno=SGSNA%2f17%2fSUW%2f00038%7cProcert

ISSUE DATE: 2018-05-15

EXPIRY DATE:

CERTIFIER OR LAB: SGS North America Inc.

CERTIFICATION AND COMPLIANCE NOTES: Safety of electrical and electronic components.

SUSTAINABLE FORESTRY | **PEFC International Sustainability Benchmark - from sustainably managed forests Chain of custody**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
ISSUE DATE: 2018-01-23
EXPIRY DATE: 2019-06-30
CERTIFIER OR LAB: DNV CERTIFICATION OY/AB
CERTIFICATE URL:
https://www.koskisen.com/file/pefc-certificate/?download

CERTIFICATION AND COMPLIANCE NOTES: Applies to all of the plywood parts.

SUSTAINABLE FORESTRY | **FSC Certification - Chain of Custody (COC)**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
ISSUE DATE: 2013-05-17
EXPIRY DATE: 2023-05-16
CERTIFIER OR LAB: DNV GL
CERTIFICATE URL:
https://www.koskisen.com/file/fsc-certificate/?download

CERTIFICATION AND COMPLIANCE NOTES: Applies to all of the plywood parts.

OTHER | **EU Ecolabel - Textiles**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
ISSUE DATE: 2017-11-01
EXPIRY DATE: 2020-12-05
CERTIFIER OR LAB: Ecolabeling Denmark
CERTIFICATE URL:
https://static.kvadrat.dk/assets/pdf/collection/environment/a4/e-2968-seu-ecolabel-certificate.pdf

CERTIFICATION AND COMPLIANCE NOTES: Applies to the fabrics used in the seat.

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

Other possible MasterFormat classifications: 13 22 00 (Office Shelters and Booths), 13 20 00 (Special Purpose Rooms), 13 21 48 (Sound-Conditioned Rooms). This HPD has been compiled according to the standard version of Framery O. This HPD applies also to the Quick call version of Framery O, other different variants of the standard Framery O and variants of Quick call Framery O.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Framery Oy**
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Tampere Pirkanmaa 33900, Finland
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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
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
MAM Mammalian/systemic/organ toxicity
MUL Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion
PBT Persistent Bioaccumulative Toxic
PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

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 (insuficient data to benchmark)
LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
NoGS Unknown (no data on List Translator Lists)

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.