ThinAir® Hand Dryer by Excel Dryer

Health Product Declaration v2.1.1

created via: HPDC Online Builder

CLASSIFICATION: 10810 Hand Dryers

PRODUCT DESCRIPTION: The ThinAir® Hand Dryer (TA-ABS-110-120V, TA-ABS-208-277V, TA-ABS-230V, TA-SB-110-120V, TA-SB-208-277V, TA-SB-230V) is a high-efficiency hand dryer model, surface-mounted and ADA -compliant. Facilities around the world use Excel hand dryers to save time, money, and the environment while creating a cleaner, more hygienic restroom.

Section 1: Summary

Basic 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

- ◉ Considered
- ○ Partially Considered
- ○ Not Considered

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 except SC substances characterized according to SC guidance.

Screened ◉ Yes Ex/SC ○ Yes ○ No

All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.

Identified ◉ Yes Ex/SC ○ Yes ○ No

All substances disclosed by Name (Specific or Generic) and Identifier except SC substances identified according to SC guidance.

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

THINAIR® HAND DRYER [SC:MOTOR ASSEMBLY Not Screened CARBONIC DICHLORIDE, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS(PHENOL), 4-(1-METHYL-1-PHENYLETHYL)PHENYL ESTER NoGS SC:CONTROL ASSEMBLY AND CONTROL ASSEMBLY CIRCUIT BOARD Not Screened ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER LT-UNK RESORCINOL BIS-DIPHENYLPHOSPHATE BM-2 SC:OPTIC ASSEMBLY Not Screened STEEL MANUFACTURE, CHEMICALS LT-UNK COPPER LT-UNK MICA LT-UNK CARBON BLACK LT-1 | CAN PHENOL FORMALDEHYDE LT-P1 | RES ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM) LT-UNK HEXAMETHYLENETETRAMINE BM-1 | PHY | SKI CALCIUM HYDROXIDE LT-P1 KAOLIN CLAY LT-UNK | CAN TALC BM-1 | CAN CELLULOSE, MICROCRYSTALLINE NoGS FLY ASH LT-UNK GRAPHITE LT-UNK]

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Special conditions applied: Electronics

[LEED v4] "Yes ex/SC" result is due only to materials and substances for which Special Conditions were applied. Thus "Yes ex/SC" does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.

Excel Dryer worked with an HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 1,000 ppm threshold.

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: No VOC Certification
Other: Environmental Product Declaration (EPD) by UL - Industry Generic

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

PREPARER: ToxServices LLC

SCREENING DATE: 2018-09-26

○ Yes
◉ No

VERIFIER:
VERIFICATION #:

PUBLISHED DATE: 2019-08-22
EXPIRY DATE: 2021-09-26

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

THINAIR® HAND DRYER

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Excel Dryers worked with an HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 1,000 ppm threshold.

OTHER PRODUCT NOTES:

SC:MOTOR ASSEMBLY

ID: SC:Electronics

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-09-26

%: 49.92 - 49.92 GS: Not Screened RC: None NANO: No ROLE: Motor Assembly

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

SUBSTANCE NOTES:
Version: SCElec/2018-02-23
Brief Description: Motor Assembly including blower housing; motor and fan assembly and rotor assembly. Component ingredients composed of materials such as steel, fiberglass, ABS, and neoprene/PVC.
Compliance: RoHS Compliant
Takeback Program: N/A

This substance was properly screened by the HPD Approved Preparer.

CARBONIC DICHLORIDE, POLYMER WITH 4,4'-(1-METHYLETHYLIDENE)BIS(PHENOL), 4-(1-METHYL-1-PHENYLETHYL)PHENYL ESTER

ID: 111211-39-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2018-09-26

%: 27.19 - 30.82 GS: NoGS RC: None NANO: No ROLE: Cover and Base Plate Component

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

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

SC:CONTROL ASSEMBLY AND CONTROL ASSEMBLY CIRCUIT BOARD

ID: SC:Electronics

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **8.86 - 8.86** GS: **Not Screened** RC: **None** NANO: **No** ROLE: **Control Assembly**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

SUBSTANCE NOTES:
Version: SCElec/2018-02-23
Brief Description: Control Assembly and Control Assembly Circuit Board including insulators, thyristors and additional circuit board components. Component ingredients composed of materials such as ABS, steel and aluminum.
Compliance: RoHS Compliant
Takeback Program: N/A

This substance was properly screened by the HPD Approved Preparer.

ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER

ID: 9003-56-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **2.90 - 5.44** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Cover and Base Plate Component**

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

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

RESORCINOL BIS-DIPHENYLPHOSPHATE

ID: 125997-21-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **2.18 - 4.36** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Cover and Base Plate Component**

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

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer. The GreenScreen® Benchmark assessment score of BM-2 was provided through the HPD 2.1 Builder Tool.

SC:OPTIC ASSEMBLY

ID: SC:Electronics

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **1.90 - 1.90** GS: **Not Screened** RC: **None** NANO: **No** ROLE: **Optic Assembly**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
	Hazard Screening not performed	

SUBSTANCE NOTES:
Version: SCElec/2018-02-23
Brief Description: Optic Assembly including wires, optic lights and electronic components. Component ingredients composed of materials such as steel, ABS and copper.
Compliance: RoHS Compliant
Takeback Program: N/A

This substance was properly screened by the HPD Approved Preparer.

STEEL MANUFACTURE, CHEMICALS

ID: 65997-19-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **1.27 - 1.27** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Heating Element; Screws and Connectors Components**

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

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer. Steel Grades identified as AISI 4307 and SS 304. Impurities present at the following total summed ranges: (C: 0-0.39); (Si: 0-0.75); (Mn: 0-2); (Mo: 0.21); (P: 0-0.045); (S: 0-0.03); (Cr: 17.-19.5); (Ni: 8-10.5); (N: 0-0.1).

COPPER

ID: 7440-50-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **1.06 - 1.06** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Heating Element Component**

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

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

MICA

ID: 12001-26-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **0.64 - 1.33** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Heating Element and Terminal Block Component**

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

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **0.44 - 0.80** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Cover and Base Plate Component**

HAZARD TYPE	AGENCY AND LIST TITLES	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: This substance was properly screened by the HPD Approved Preparer.

PHENOL FORMALDEHYDE

ID: 9003-35-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **0.35 - 0.69** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Terminal Block Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

ETHYLENE/PROPYLENE/DIENE TERPOLYMER (EPDM)

ID: 25038-36-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **0.14 - 0.14** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Cover Component**

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

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

HEXAMETHYLENETETRAMINE

ID: 100-97-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **0.02 - 0.17** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Terminal Block Component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer. The GreenScreen® Benchmark assessment score of BM-1 was provided through the HPD 2.1 Builder Tool.

CALCIUM HYDROXIDE

ID: 1305-62-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **0.00 - 0.12** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Terminal Block Component**

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

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

KAOLIN CLAY

ID: 1332-58-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **0.00 - 0.46** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Terminal Block Component**

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

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

TALC

ID: 14807-96-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **0.00 - 0.23** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Terminal Block Component**

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

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer. The GreenScreen® Benchmark assessment score of BM-1 was provided through the HPD 2.1 Builder Tool.

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **0.00 - 0.69** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Terminal Block Component**

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

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

FLY ASH

ID: 68131-74-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **0.00 - 0.21** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Terminal Block Component**

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

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

GRAPHITE

ID: 7782-42-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2018-09-26**

%: **0.00 - 0.46** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Terminal Block Component**

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

SUBSTANCE NOTES: This substance was properly screened by the HPD Approved Preparer.

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 — **No VOC Certification**

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: N/A
CERTIFICATE URL:

ISSUE DATE: 2019-07-10

EXPIRY DATE:

CERTIFIER OR LAB: N/A

CERTIFICATION AND COMPLIANCE NOTES: Not a VOC Product

OTHER — **Environmental Product Declaration (EPD) by UL - Industry Generic**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All Facilities
CERTIFICATE URL: https://www.exceldryer.com/wp-content/uploads/2018/08/101.1_ExcelDryer_EPD_ThinAir.pdf

ISSUE DATE: 2017-07-25

EXPIRY DATE: 2022-07-25

CERTIFIER OR LAB: UL Environment

CERTIFICATION AND COMPLIANCE NOTES: Declaration #: 4787137936.101.1; Reference PCR: UL PCR for Hand Dryers July 2016

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.

TAMPER PROOF BOLT/WRENCH AND ACCESSORIES — HPD URL: **No HPD Available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
Use of the Tamper Proof Wrench and Bolt are required during installation of the dryer product.

Section 5: General Notes

Excel Dryers worked with an HPDC Approved Preparer to confirm that all residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining full formulation disclosure, including residuals and impurities, down to the 1,000 ppm threshold. The Special Condition: Electronics, was used in the preparation of this HPD. Please see information on this requirement at https://www.hpd-collaborative.org/wp-content/uploads/2018/07/SpecialCondition_Electronics.pdf.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Excel Dryer**
ADDRESS: **375 Chestnut Street**
PO Box 365
East Longmeadow MA 01028, USA
WEBSITE: **www.exceldryer.com**

CONTACT NAME: **Debbie Frangie**
TITLE: **Marketing Communication Manager**
PHONE: **(413) 525-4531**
EMAIL: **dfrangie@exceldryer.com**

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.