XLERATOR® Hand Dryer
by Excel Dryer

CLASSIFICATION: 10810 Hand Dryers

PRODUCT DESCRIPTION: The XLERATOR® Hand Dryer (XL-BW-110-120V, XL-BW-208-277V, XL-BW-230V, XL-SB-110-120V, XL-SB-208-277V, XL-SB-230V) is the original, patented, high-speed, energy-efficient hand dryer. Facilities around the world use XLERATOR® to save time, money, and the environment while creating a cleaner, more hygienic restroom.

Section 1: Summary

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

Explanations 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
---|---|---|---|---
**Not Screened**
SC: MOTOR ASSEMBLY
CARBONIC DICHLORIDE, POLYMER WITH 4,4′-(1-METHYLETHYLIDENE)BIS(PHENOL), 4-(1-METHYL-1-PHENYLETHYL)PHENYL ESTER
ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER
RESORCINOL BIS-DIPHENYLPHOSPHATE
SC: CONTROL ASSEMBLY AND CONTROL ASSEMBLY CIRCUIT BOARD
POLYVINYL CHLORIDE (PVC)
CARBON BLACK
CARBON SC: OPTICS ASSEMBLY
PHENOL FORMALDEHYDE
RES BENTOTRIAZONE
GRAPHITE
CLAY
POLYETHYLENE
TALC

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.
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](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

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**XLERATOR® 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**

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

**HAZARD SCREENING DATE:** 2018-09-25

<table>
<thead>
<tr>
<th>%: 41.75 - 41.75</th>
<th>GS: Not Screened</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Motor Assembly</th>
</tr>
</thead>
</table>

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

Hazard Screening not performed

**SUBSTANCE NOTES:** 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**

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

**HAZARD SCREENING DATE:** 2018-09-25

<table>
<thead>
<tr>
<th>%: 36.59 - 41.47</th>
<th>GS: NoGS</th>
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<th>NANO: No</th>
<th>ROLE: Cover, Wall Plate and Nozzle Component</th>
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</table>

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

None found

**SUBSTANCE NOTES:** This substance was properly screened by the HPD Approved Preparer.
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</th>
<th>HAZARD SCREENING DATE: 2018-09-25</th>
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<tbody>
<tr>
<td><strong>Hazard Screening Method</strong></td>
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<tr>
<td><strong>%</strong></td>
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<tr>
<td><strong>GS</strong></td>
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<td><strong>RC</strong></td>
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<td><strong>ROLE</strong></td>
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<td><strong>HAZARD TYPE</strong></td>
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<tr>
<td><strong>AGENCY AND LIST TITLES</strong></td>
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<tr>
<td><strong>WARNINGS</strong></td>
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<tr>
<td><strong>None found</strong></td>
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<tr>
<td><strong>No warnings found on HPD Priority Hazard Lists</strong></td>
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<td><strong>SUBSTANCE NOTES:</strong></td>
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### Acrylonitrile-Butadiene-Styrene Copolymer

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<th>HAZARD SCREENING DATE: 2018-09-25</th>
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<td><strong>HAZARD TYPE</strong></td>
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<td><strong>AGENCY AND LIST TITLES</strong></td>
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<td><strong>WARNINGS</strong></td>
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### Resorcinol Bis-Diphenylphosphate

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<th>HAZARD SCREENING DATE: 2018-09-25</th>
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<td><strong>AGENCY AND LIST TITLES</strong></td>
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<td><strong>SUBSTANCE NOTES:</strong></td>
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<tr>
<td><strong>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.</strong></td>
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### SC: Control Assembly and Control Assembly Circuit Board

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<th>HAZARD SCREENING DATE: 2018-09-25</th>
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<tr>
<td><strong>GS</strong></td>
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<tr>
<td><strong>RC</strong></td>
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</tr>
<tr>
<td><strong>NANO</strong></td>
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<tr>
<td><strong>ROLE</strong></td>
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<td><strong>HAZARD TYPE</strong></td>
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<td><strong>AGENCY AND LIST TITLES</strong></td>
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<tr>
<td><strong>WARNINGS</strong></td>
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<td></td>
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</tr>
<tr>
<td><strong>Hazard Screening not performed</strong></td>
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</tbody>
</table>
### Polyvinyl Chloride (PVC)

**ID:** 9002-86-2  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-09-25  
**%:** 1.84 - 1.84  
**GS:** LT-P1  
**RC:** None  
**NANO:** No  
**ROLE:** Wiring Component  

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

**SUBSTANCE NOTES:** This substance was properly screened by the HPD Approved Preparer. This material is present as a wire jacket coating. The % level of PVC in relation to the steel wire was unavailable, therefore the assumption of % PVC present (1.84%) is equal to that of what the % of total wire is present in the final product (1.84%).

### SC: Motor Speed Controller

**ID:** SC:Electronics  
**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2018-09-25  
**%:** 1.48 - 1.48  
**GS:** Not Screened  
**RC:** None  
**NANO:** No  
**ROLE:** Motor Speed Controller  

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**  
Hazard Screening not performed  

**SUBSTANCE NOTES:**  
Version: SCElec/2018-02-23  
Brief Description: Motor Speed Controller including case-lid, control module, rubber coated knob, adapter plate, bolts and screws. Component ingredients composed of materials such as ABS, steel and rubber. Compliance: RoHS Compliant  
Takeback Program: N/A  
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:** 2018-09-25  
**%:** 0.49 - 1.03  
**GS:** LT-1  
**RC:** None  
**NANO:** No  
**ROLE:** Cover, Wall Plate, Terminal Block and Nozzle Component  

**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

**SUBSTANCE NOTES:**  
Version: SCElec/2018-02-23  
Brief Description: Control Assembly and Control Assembly Circuit Board including cover, plate, wires, thyristors, additional circuit board components and others. 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.
<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
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</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
</tr>
</tbody>
</table>

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

---

**MICA**

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

**HAZARD SCREENING DATE:** 2018-09-25

<table>
<thead>
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<th>%: 0.46 - 0.75</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Terminal Block and Heating Element Component</th>
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</thead>
</table>

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

**HAZARD SCREENING DATE:** 2018-09-25

None found

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

**HAZARD SCREENING DATE:** 2018-09-25

None found

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

**HAZARD SCREENING DATE:** 2018-09-25

<table>
<thead>
<tr>
<th>%: 0.15 - 0.29</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Terminal Block Component</th>
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</table>

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

---

**SC:OPTICS ASSEMBLY**

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

**HAZARD SCREENING DATE:** 2018-09-25

<table>
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<tr>
<th>%: 0.35 - 0.35</th>
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<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Optics Assembly</th>
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</table>

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

**HAZARD SCREENING DATE:** 2018-09-25

Hazard Screening not performed

**SUBSTANCE NOTES:**
Version: SCElec/2018-02-23
Brief Description: Optics Assembly including case, light emitting diodes, capacitors and screws. Component ingredients composed of materials such as ABS and steel.
Compliance: RoHS Compliant
Takeback Program: N/A

This substance was properly screened by the HPD Approved Preparer.

---

**PHENOL FORMALDEHYDE**

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

**HAZARD SCREENING DATE:** 2018-09-25

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<tr>
<th>%: 0.15 - 0.29</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Terminal Block Component</th>
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**SUBSTANCE NOTES:**
Version: SCElec/2018-02-23
Brief Description: Optics Assembly including case, light emitting diodes, capacitors and screws. Component ingredients composed of materials such as ABS and steel.
Compliance: RoHS Compliant
Takeback Program: N/A

This substance was properly screened by the HPD Approved Preparer.
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>Hazard Type</th>
<th>Agency and List Titles</th>
<th>Warnings</th>
<th>Substance Notes</th>
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</thead>
<tbody>
<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
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<td></td>
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<tr>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
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**Benzontriazole**

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<tr>
<th>Substance</th>
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<th>Substance Notes</th>
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<tbody>
<tr>
<td>Benzontriazole</td>
<td>95-14-7</td>
<td>Cancer</td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
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**Graphite**

<table>
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<td>Graphite</td>
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<td>None None No</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
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**Kaolin Clay**

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<tbody>
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<td>Kaolin Clay</td>
<td>1332-58-7</td>
<td>Cancer</td>
<td>MAK</td>
<td>Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification</td>
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**Polyethylene**

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<td>Polyethylene</td>
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<td>TALC</td>
<td>14807-96-6</td>
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<td>TALC</td>
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</tbody>
</table>

**WARNINGS**

**CANCER**
- **IARC**
  - Group 2b - Possibly carcinogenic to humans
- **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.
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

**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

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**Other**

**Certifying Party:** Third Party  
**Applicable Facilities:** All Facilities  
**Certificate URL:**  
**Issue Date:** 2017-07-25  
**Expiry Date:** 2022-07-25  
**Certifier or Lab:** UL Environment  
**Certification and Compliance Notes:** Declaration #: 4787137936.102.1; Reference PCR: UL PCR for Hand Dryers July 2017

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.

**Hepa Filter Kit**  
**HPD URL:** No HPD Available  
**Condition When Recommended or Required and/or Other Notes:** Used when changing out Hepa Filter located within the hand dryer.

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/wpcontent/uploads/2018/07/SpecialCondition_Electronics.pdf](https://www.hpd-collaborative.org/wpcontent/uploads/2018/07/SpecialCondition_Electronics.pdf).
MANUFACTURER INFORMATION

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

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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 (insufficient 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.