CLASSIFICATION: 066116
PRODUCT DESCRIPTION: Acrylic Solid Surface Sheets

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 0 of 1 Materials

Explanation(s) provided
for Residuals/Impurities?
(•) Yes ( ) No

All Substances Above the Threshold Indicated Are:

Characterized ( ) Yes Ex/SC (•) Yes ( ) No
% weight and role provided for all substances.

Screened ( ) Yes Ex/SC (•) Yes ( ) No
All substances screened using Priority Hazard Lists with results disclosed.

Identified ( ) Yes Ex/SC (•) Yes ( ) No
All substances disclosed by Name (Specific or Generic) and Identifier.

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

DURASEIN [ALUMINUM HYDROXIDE BM-2 | RES POLYMETHYL METHACRYLATE (PMMA) LT-P1 | RES TITANIUM DIOXIDE LT-1 | CAN | END]

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:

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: GreenGuard - Indoor Air Quality Certified
VOC emissions: GreenGuard Gold - Indoor Air Quality Certified

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: 2019-06-05
PUBLISHED DATE: 2019-06-07
EXPIRY DATE: 2022-06-05

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

DURASEIN

%: 100.00

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected in the final product.

OTHER MATERIAL NOTES:

ALUMINUM HYDROXIDE

ID: 8064-00-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-06-05

%: 56.00 - 60.00 GS: BM-2 RC: UNK NANO: No ROLE: filler

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

SUBSTANCE NOTES:

POLYMETHYL METHACRYLATE (PMMA)

ID: 9011-14-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-06-05

%: 36.00 - 40.00 GS: LT-P1 RC: UNK NANO: No ROLE: matrix

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

SUBSTANCE NOTES:

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-06-05

%: 1.50 - 2.50 GS: LT-1 RC: None NANO: No ROLE: Filler

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
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:

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

GreenGuard - Indoor Air Quality Certified

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All commercial environmants
CERTIFICATE URL: https://static1.squarespace.com/static/5668bb931115e015efb78a7a/t/5d00ca6e6ca3610001bc93d6/1560332912494/UL-Certification-GreenGuard-2019.pdf

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2015-11-01	2019-11-09	Underwriters Laboratories

CERTIFICATION AND COMPLIANCE NOTES: Greenguard certified

VOC EMISSIONS

GreenGuard Gold - Indoor Air Quality Certified

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All commercial environmants
CERTIFICATE URL: https://static1.squarespace.com/static/5668bb931115e015efb78a7a/t/5d00ca867458550001c902ee/1560332936115/UL-Certification-GreenGuard-Gold-2019.pdf

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2015-11-01	2019-11-09	Underwriters Laboratories

CERTIFICATION AND COMPLIANCE NOTES:

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

Durasein solid surface materials consist of reacted monomers and resins, mineral fillers and pigments manufactured as sheet material, sinks and bathtubs. Durasein solid surface materials are solid, non-porous, homogeneous, renewable and are free from internal strengthening fibers. They comply with ISFA Standard Type solid surface materials and are designed for horizontal, vertical, wet, and dry applications. They do not require a full substrate to perform in horizontal applications. The versatility of this material is exemplified by its inclusion in the following Product Classifications: 06 61 00 Wood, Plastics and Composites; 06 61 16 Solid Surfacing Fabrications; 07 42 63 Fabricated Wall Panel Assemblies; 07 46 63 Fabricated Panel Assemblies with Siding; 10 11 43 Visual Display Wall Panels; 10 14 00 Signage; 10 21 13 Toilet Compartments; 10 21 16 Shower and Dressing Compartments; 10 25 13 Patient Bed Service Walls; 11 42 16 Food Preparation Surfaces; 11 74 00 Dental Equipment; 12 35 00 Specialty Casework; 12 36 61.16 Solid Surfacing Countertops; 12 51 83 Custom Office Furniture; 13 12 00 Fountains; 13 21 13 Clean Rooms; 14 27 13 Custom Elevator Cab Finishes; 22 41 00 Residential Plumbing Fixtures; 22 42 00 Commercial Plumbing Fixtures and 22 43 00 Healthcare Plumbing Fixtures.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Relang International LLC**
ADDRESS: **7030 Quad Ave.**
Suite 3
Rosedale MD 21237, USA
WEBSITE: **www.duraseinusa.com**

CONTACT NAME: **Keith S. Haight**
TITLE: **Technical Manager**
PHONE: **8777717712**
EMAIL: **keith.haight@duraseinusa.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.