

PRODUCT DESCRIPTION:

A decorative, integrally colored plaster and stucco finish for interior and exterior use. Tuscany is formulated with both Portland Cement and lime for strength and durability. Contains a unique blend of polymer admixtures which contribute to superior adhesion and ease of application. The finish look varies vastly, from a sandy texture to a look that emulates honed stone. The sheen can be matte to satin gloss and the surface can be left smooth or pitted. Tuscany can be carved, cast and molded and is suitable for both residential and commercial applications.

Section 1: Summary

CONTENT INVENTORY

Inventory Reporting Format

- ☒ Nested Materials Method  
☐ Basic Method

Threshold Disclosed Per

- ☐ Material  
☒ Product

Threshold Level

- ☐ 100ppm  
☒ 1,000ppm  
☐ Per GHS SDS  
☐ Other

Residuals/Impurities

Residuals and impurities considered in 0 of 8 materials

Explanation(s) provided for Residuals/Impurities?

- ☐ Yes ☒ No

For all contents above the threshold, the manufacturer has:

Characterized

Provided weight and role

- ☒ Yes ☐ No

Screened

Provided screening results using HPDC-approved method

- ☒ Yes ☐ No

Identified

Provided name and CAS RN or other identifier.

- ☐ Yes ☒ No

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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY | GREENSCREEN SCORE | HAZARD TYPE

AGGREGATE | Quartz LT-1 | CAN | GEN | MAM | MUL: Calcium magnesium carbonate LT-UNK | ROCK AGGREGATE | Undisclosed LT-3 | CAN | MAM | MUL: WHITE CEMENT | Cement Dust LT-P1 | CAN | END | MAM | MUL: SOLID NATURE | Calcium magnesium carbonate LT-UNK | Quartz LT-1 | CAN | GEN | MAM | MUL: Calcium Carbonate LT-UNK | MUL: MINERAL ROCK ANGULAR | Amorphous silica BM-3 | CAN | DEV | EYE | MAM | MUL: Undisclosed LT-UNK | EYE: Undisclosed LT-P1 | DEV | EYE | MUL | NEU | SKI: BINDER | Undisclosed LT-P1 | AQU | CAN | DEV | END | EYE | GEN | MAM | MUL | NEU | PHY | REP | SKI: Undisclosed LT-UNK | AQU | CAN | MAM | MUL | NEU | PHY: THICKENER | Undisclosed LT-UNK | MUL: ADDITIVE | Undisclosed LT-UNK | MUL:

Number of GreenScreen® BM-4/BM-3 contents: 0

Contents highest concern GreenScreen® Benchmark or List Translator Score: BM - 1

Nanomaterial(s):

One or more contents are characterized as unknown

INVENTORY AND SCREENING NOTES

Summary of product contents and results from screening individual chemical substances against the GreenScreen for Safer Chemicals (R). As included in the finished products, none of the material(s) identified with a "Hazard Type" designator have been shown to present any increased risk to human health under normal conditions of use or exposure.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material(g / l): 19

Regulatory(g / l): 350

Does the product contain exempt VOCs? No

Are ultra-low VOC tints available? No

CERTIFICATIONS AND COMPLIANCE

VOC Content: SCAQMD Rule 1113 Architectural Coatings

VOC Emissions: Clean Air for CDPH Standard Method v1.2 (Section 01350)

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- ☐ Yes ☒ No

PREPARED: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2023-01-04

PUBLISHED DATE: Not published on the HPDC repository

EXPIRY DATE: Not published on the HPDC repository

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 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

Aggregate		%: 38.68	
PRODUCT THRESHOLD: 1,000 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Not Completed	
RESIDUAL/IMPURITIES NOTES:		MATERIAL TYPE: Other	
OTHER MATERIAL NOTES:			
CALCIUM MAGNESIUM CARBONATE		ID: 16389-88-1	
HAZARD DATA SOURCE: Toxnot Substance Database		HAZARD SCREENING DATE: 2023-01-04	
%: 95 - 98		ROLE: Abrasion resistance	
HAZARD TYPE		GS: LT - UNK	
None Found		AGENCY AND LIST TITLES	
ADDITIONAL LISTINGS		RC: None	
None found		NANO: Unknown	
SUBSTANCE NOTES:		WARNINGS	
		No warnings found on HPD Priority Hazard Lists	
		NOTIFICATION	
		No listings found on Additional Hazard Lists	
QUARTZ		ID: 14808-60-7	
HAZARD DATA SOURCE: Toxnot Substance Database		HAZARD SCREENING DATE: 2023-01-04	
%: 0.1 - 2.99		ROLE: Abrasion resistance	
HAZARD TYPE		GS: LT - 1	
		AGENCY AND LIST TITLES	
		RC: None	
		NANO: Unknown	
		WARNINGS	
		Persistent	
		Carcinogenicity - category 1A	
		H350I	
		cancer	
		1	
		CarcinogenicityCategory 1A	
		Carc. 1	
		Carc. 1	
		Known Carcinogen	
		Germ cell mutagenicityCategory 2	
		Specific target organ toxicity (repeated exposure) - category 1	
		Specific target organ toxicity - Repeated exposureCategory 1 (respiratory system, immune system, kidney)	
		STOT Rep. Exp. 1	
		H372	
		Ith	
		D2A	
		NOTIFICATION	
		No listings found on Additional Hazard Lists	
ADDITIONAL LISTINGS			
None found			
SUBSTANCE NOTES:			
Rock Aggregate		%: 23	
PRODUCT THRESHOLD: 1,000 ppm		RESIDUALS AND IMPURITIES CONSIDERED: Not Completed	
RESIDUAL/IMPURITIES NOTES:		MATERIAL TYPE: Other	
OTHER MATERIAL NOTES:			

## UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Toxnot Substance Database

%: 100

HAZARD TYPE

CAN

CAN

CAN

CAN

CAN

CAN

CAN

MAM

MUL

MUL

MUL

ADDITIONAL LISTINGS

None found

SUBSTANCE NOTES:

GS: LT - 1

AGENCY AND LIST TITLES

Australia - GHS

Australia - GHS

CA EPA - Prop 65

IARC

Japan - GHS

MAK

US NIH - Report on Carcinogens

Australia - GHS

Australia - GHS

Japan - GHS

Quebec CSST - WHMIS 1988

AGENCY

RC: None

NANO: Unknown

WARNINGS

H350I

Carcinogenicity - category 1A

cancer

1

H350

Carc. 1

Known Carcinogen

Specific target organ toxicity (repeated exposure) - category 1

H372

H372

D2A

NOTIFICATION

No listings found on Additional Hazard Lists

HAZARD SCREENING DATE: 2023-01-04

ROLE: Abrasion resistance

## White Cement

%: 18

PRODUCT THRESHOLD: 1,000 ppm

RESIDUAL/IMPURITIES NOTES:

OTHER MATERIAL NOTES:

RESIDUALS AND IMPURITIES CONSIDERED: Not Completed

MATERIAL TYPE: Other

## CEMENT DUST

ID: 65997-15-1

HAZARD DATA SOURCE: Toxnot Substance Database

%: 100

HAZARD TYPE

CAN

END

MAM

MAM

MUL

MUL

MUL

MUL

ADDITIONAL LISTINGS

None found

SUBSTANCE NOTES:

GS: LT - P1

AGENCY AND LIST TITLES

EC - CEPA DSL

MAK

TEDX - Potential Endocrine Disruptor

Japan - GHS

Japan - GHS

EC - CEPA DSL

EC - CEPA DSL

Quebec CSST - WHMIS 1988

AGENCY

RC: None

NANO: Unknown

WARNINGS

Persistent

Carc. 3B

Potential Endocrine Disruptor

Specific target organ toxicity - Single exposureCategory 3 (Respiratory tract irritation)

Specific target organ toxicity - Repeated exposureCategory 1 (respiratory system)

iTH

iTE

E

NOTIFICATION

No listings found on Additional Hazard Lists

HAZARD SCREENING DATE: 2023-01-04

ROLE: Binder

## Solid Nature

%: 13

PRODUCT THRESHOLD: 1,000 ppm

RESIDUAL/IMPURITIES NOTES:

OTHER MATERIAL NOTES:

RESIDUALS AND IMPURITIES CONSIDERED: Not Completed

MATERIAL TYPE: Other

## CALCIUM CARBONATE

ID: 1317-65-3

HAZARD DATA SOURCE: Toxnot Substance Database

%: 90 - 96.99999999999999

HAZARD TYPE

MUL

ADDITIONAL LISTINGS

POSITIVE LIST

SUBSTANCE NOTES:

GS: LT - UNK

AGENCY AND LIST TITLES

Quebec CSST - WHMIS 1988

AGENCY

RC: None

NANO: Unknown

WARNINGS

D2A

NOTIFICATION

US EPA - DfE SCIL

Green Circle - Verified Low Concern

HAZARD SCREENING DATE: 2023-01-04

ROLE: Filler

## CALCIUM MAGNESIUM CARBONATE

ID: 16389-88-1

HAZARD DATA SOURCE: Toxnot Substance Database

%: 0.1 - 5

HAZARD TYPE

None Found

ADDITIONAL LISTINGS

None found

SUBSTANCE NOTES:

GS: LT - UNK

AGENCY AND LIST TITLES

AGENCY

RC: None

NANO: Unknown

WARNINGS

No warnings found on HPD Priority Hazard Lists

NOTIFICATION

No listings found on Additional Hazard Lists

HAZARD SCREENING DATE: 2023-01-04

ROLE: Abrasive

## QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: Toxnot Substance Database

HAZARD SCREENING DATE: 2023-01-04

%: 0.1 - 5

GS: LT - 1

RC: None

NANO: Unknown

ROLE: Abrasion resistance

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CAN

Australia - GHS

Persistent

CAN

Australia - GHS

Carcinogenicity - category 1A

CAN

CA EPA - Prop 65

H350i

CAN

IARC

cancer

CAN

Japan - GHS

1

CAN

MAK

CarcinogenicityCategory 1A

CAN

New Zealand - GHS

Carc. 1

CAN

US NIH - Report on Carcinogens

Carc. 1

GEN

Japan - GHS

Known Carcinogen

MAM

Australia - GHS

Germ cell mutagenicityCategory 2

MAM

Japan - GHS

Specific target organ toxicity (repeated exposure) - category 1

MAM

New Zealand - GHS

Specific target organ toxicity - Repeated exposureCategory 1 (respiratory system, immune system, kidney)

MUL

Australia - GHS

STOT Rep. Exp. 1

MUL

EC - CEPA DSL

H372

MUL

Quebec CSST - WHMIS 1988

D2A

ADDITIONAL LISTINGS

AGENCY

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

## Mineral Rock Angular

%: 5.5

PRODUCT THRESHOLD: 1,000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Not Completed

MATERIAL TYPE: Other

RESIDUAL/IMPURITIES NOTES:

OTHER MATERIAL NOTES:

## UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Toxnot Substance Database

HAZARD SCREENING DATE: 2023-01-04

%: 93 - 99.00000000000001

GS: LT - P1

RC: None

NANO: Unknown

ROLE: Coating

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

DEV

MAK

Persistent

EYE

Australia - GHS

C

EYE

Japan - GHS

Eye damage - category 1

EYE

New Zealand - GHS

Serious eye damage/eye irritationCategory 1

MUL

German FEA - Substances Hazardous to Waters

Eye Damage 1

MUL

Japan - GHS

WGK 1

MUL

Quebec CSST - WHMIS 1988

H370

NEU

Boyes - Neurotoxics

E

SKI

Australia - GHS

Sensory irritation

SKI

Australia - GHS

H315

SKI

Japan - GHS

Skin irritation - category 2

SKI

New Zealand - GHS

H315

ADDITIONAL LISTINGS

AGENCY

Skin Corr. 1C

POSITIVE LIST

US Environmental Protection Agency (USEPA)

NOTIFICATION

RESTRICTED LIST

Cradle to Cradle Products Innovation Institute (C2CPII)

US EPA - DfE SCIL

RESTRICTED LIST

Cradle to Cradle Products Innovation Institute (C2CPII)

Green Circle - Verified Low Concern

SUBSTANCE NOTES:

C2C Certified v4 Product Standard Restricted

Substances List (RSL) - Effective July 1, 2022

Footwear, Apparel, &amp; Jewelry Products

C2C Certified v4 Product Standard Restricted

Substances List (RSL) - Effective July 1, 2022

Cosmetics &amp; Personal Care Products

## UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Toxnot Substance Database

HAZARD SCREENING DATE: 2023-01-04

%: 1 - 5

GS: LT - UNK

RC: None

NANO: Unknown

ROLE: Coating

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

EYE

EC - CEPA DSL

Persistent

ADDITIONAL LISTINGS

New Zealand - GHS

Eye Irrit. 2

POSITIVE LIST

US Environmental Protection Agency (USEPA)

NOTIFICATION

SUBSTANCE NOTES:

US EPA - DfE SCIL

Green Circle - Verified Low Concern

## AMORPHOUS SILICA

ID: 7631-86-9

HAZARD DATA SOURCE: Toxnot Substance Database

HAZARD SCREENING DATE: 2023-01-04

%: 1 - 2

GS: BM - 1

RC: None

NANO: Unknown

ROLE: Coating

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CAN

Australia - GHS

Persistent

CAN

Australia - GHS

Carcinogenicity - category 1A

CAN

IARC

H350i

CAN

Japan - GHS

3

DEV

MAK

CarcinogenicityCategory 1A

EYE

Japan - GHS

C

MAM

Australia - GHS

Serious eye damage/eye irritationCategory 2

MAM

Japan - GHS

Specific target organ toxicity (repeated exposure) - category 1

MAM

Japan - GHS

Specific target organ toxicity - Single exposureCategory 3 (Respiratory tract irritation)

MUL

Australia - GHS

Specific target organ toxicity - Repeated exposureCategory 1 (respiratory system, immune system, kidney)

ADDITIONAL LISTINGS

AGENCY

H372

POSITIVE LIST

US Environmental Protection Agency (USEPA)

NOTIFICATION

SUBSTANCE NOTES:

US EPA - DfE SCIL

Green Circle - Verified Low Concern

## Binder

%: 1.5

PRODUCT THRESHOLD: 1,000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Not Completed

MATERIAL TYPE: Other

RESIDUAL/IMPURITIES NOTES:

OTHER MATERIAL NOTES:

## UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Toxnot Substance Database

HAZARD SCREENING DATE: 2023-01-04

%: 60 - 75

GS: LT - UNK

RC: None

NANO: Unknown

ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

AQU

Japan - GHS

H402

CAN

IARC

3

CAN

MAK

Carc. 3B

MAM

Australia - GHS

Specific target organ toxicity (single exposure) - category 3

MUL

Japan - GHS

H412

MUL

Quebec CSST - WHMIS 1988

D2B

NEU

Australia - GHS

H336

NEU

EU - GHS (H-Statements)

H336

NEU

G&amp;L - Neurotoxic Chemicals

Neurotoxicity

NEU

Japan - GHS

H336

PHY

Australia - GHS

Flammable gas - category 1

PHY

Australia - GHS

H220

PHY

EU - GHS (H-Statements)

H220

PHY

Japan - GHS

H220

PHY

New Zealand - GHS

Flam. Gas 1A

ADDITIONAL LISTINGS

AGENCY

B1

None found

NOTIFICATION

SUBSTANCE NOTES:

No listings found on Additional Hazard Lists

UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Toxnot Substance Database

HAZARD SCREENING DATE: 2023-01-04

%: 20 - 35

GS: LT - P1

RC: None

NANO: Unknown

ROLE: Binder

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

AQU

Japan - GHS

Hazardous to the aquatic environment (Acute) Category 2

AQU

Japan - GHS

Hazardous to the aquatic environment (Long-term) Category 3

CAN

Australia - GHS

Carcinogenicity - category 2

CAN

EU - Annex VI CMRs

Carc. 2

CAN

EU - GHS (H-Statements)

H351

CAN

IARC

2B

CAN

Japan - GHS

H350

CAN

MAK

Carc. 4

CAN

New Zealand - GHS

Carc. 2

DEV

MAK

C

END

EU - Priority Endocrine Disrupters

III

END

TEDX - Potential Endocrine Disruptor

Potential Endocrine Disruptor

EYE

Japan - GHS

Serious eye damage/eye irritationCategory 2

EYE

New Zealand - GHS

Eye Irrit. 2

GEN

Australia - GHS

H341

GEN

Australia - GHS

Germ cell mutagenicity - category 2

GEN

Japan - GHS

H341

GEN

New Zealand - GHS

Muta. 1

MAM

Australia - GHS

H335

MAM

Australia - GHS

Specific target organ toxicity (single exposure) - category 3

MAM

Australia - GHS

H332

MAM

Australia - GHS

Acute toxicity - category 4

MAM

EU - GHS (H-Statements)

H335

MAM

EU - GHS (H-Statements)

H332

MAM

Japan - GHS

H335

MAM

Japan - GHS

H332

MAM

New Zealand - GHS

STOT Rep. Exp. 2

MAM

New Zealand - GHS

Acute Tox. 3

MAM

New Zealand - GHS

STOT Single Exp. 3

MAM

New Zealand - GHS

Acute Tox. 4

MAM

Quebec CSST - WHMIS 1988

D18

MAM

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

MUL

EC - CEPA DSL

iTH

MUL

German FEA - Substances Hazardous to Waters

WGK 2

MUL

Japan - GHS

H373

MUL

Quebec CSST - WHMIS 1988

D2A

NEU

Boyes - Neurotoxicants

Sensory Irritation

NEU

Japan - GHS

H336

PHY

Australia - GHS

H225

PHY

Australia - GHS

Flammable liquid - category 2

PHY

EU - GHS (H-Statements)

H225

PHY

Japan - GHS

H225

PHY

Japan - GHS

Self-reactive substances and mixturesType G

PHY

Malaysia - GHS

Flammable Liquids: Category 2

PHY

New Zealand - GHS

Flam. Liquid 2

PHY

Quebec CSST - WHMIS 1988

F

PHY

Quebec CSST - WHMIS 1988

B2

REP

New Zealand - GHS

Repr. 2

SKI

Japan - GHS

H315

SKI

New Zealand - GHS

Skin Irrit. 2

ADDITIONAL LISTINGS

AGENCY

NOTIFICATION

None found

No listings found on Additional Hazard Lists

SUBSTANCE NOTES:

Thickener

%: 0.2

PRODUCT THRESHOLD: 1,000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Not Completed

MATERIAL TYPE: Other

RESIDUAL/IMPURITIES NOTES:

OTHER MATERIAL NOTES:

## UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Toxnot Substance Database

%: 85 - 90

HAZARD TYPE

MUL

ADDITIONAL LISTINGS

POSITIVE LIST

SUBSTANCE NOTES:

GS: LT - UNK

RC: None

AGENCY AND LIST TITLES

German FEA - Substances Hazardous to Waters

AGENCY

US Environmental Protection Agency (USEPA)

NANO: Unknown

WARNINGS

WGK 1

NOTIFICATION

US EPA - DfE SCIL

Green Circle - Verified Low Concern

HAZARD SCREENING DATE: 2023-01-04

ROLE: Absorbent

## Additive

%: 0.1

PRODUCT THRESHOLD: 1,000 ppm

RESIDUAL/IMPURITIES NOTES:

OTHER MATERIAL NOTES:

RESIDUALS AND IMPURITIES CONSIDERED: Not Completed

MATERIAL TYPE: Other

## UNDISCLOSED

ID: Undisclosed

HAZARD DATA SOURCE: Toxnot Substance Database

%: 100

HAZARD TYPE

MUL

ADDITIONAL LISTINGS

None found

SUBSTANCE NOTES:

GS: LT - UNK

RC: None

AGENCY AND LIST TITLES

German FEA - Substances Hazardous to Waters

AGENCY

NANO: Unknown

WARNINGS

WGK 1

NOTIFICATION

No listings found on Additional Hazard Lists

HAZARD SCREENING DATE: 2023-01-04

ROLE: Biocide

### 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 Content****SCAQMD Rule 1113 Architectural Coatings**

CERTIFYING PARTY: No Party

ISSUE DATE: 2020-10-02

EXPIRY DATE: 2022-01-07

CERTIFIER OR LAB: Intertek

APPLICABLE FACILITIES: All

CERTIFICATE URL:

CERTIFICATE AND COMPLIANCE NOTES:

**VOC Emissions****Clean Air for CDPH Standard Method v1.2 (Section 01350)**

CERTIFYING PARTY: No Party

ISSUE DATE: 2020-12-21

EXPIRY DATE: 2021-12-20

CERTIFIER OR LAB: Intertek

APPLICABLE FACILITIES: All

CERTIFICATE URL: <https://sustainabilitydirectory.intertek.com/images/certificates/f1e27cf2-89fa-4492-80ed-aabac4e58c58/104432782GRR-001a.pdf>

CERTIFICATE AND COMPLIANCE NOTES:

Evaluation for VOC Content includes EPA Method 24.

### 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.

MANUFACTURER (OR GENERIC):

HPD URL:

ACCESSORY TYPE: Other

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

### Section 5: General Notes

Architectural finish material of the finest quality including mature slaked lime plaster, decorative cements, and other innovative surfaces.

### Section 6: References

**MANUFACTURER INFORMATION**

MANUFACTURER: Textston Industries Inc.

ADDRESS: 8025 Deering Ave., Canoga Park, CA, 91304, USA

WEBSITE: [www.textston.com](http://www.textston.com)

CONTACT NAME: Jennifer Rigberg

TITLE: Director, Marketing and Business

PHONE: 818-227-4812

EMAIL: [jenrigberg@gmail.com](mailto:jenrigberg@gmail.com)

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.