



# KINDRED

OUTDOORS + SURROUNDS

A **BORAL**® Brand

## SAFETY DATA SHEET (SDS)

Product: **Kindred Outdoors + Surrounds**

SDS No. **020**

Version No. **1.0**

Preparation Date: **04/01/2016**

Revision Date: **01/15/2020**

### SECTION 1. IDENTIFICATION OF THE MIXTURE & SUPPLIER

#### 1.1 PRODUCT IDENTIFIER

**Product name:** Kindred Outdoors + Surrounds Architectural Substrates  
**Product code:** Various  
**Formula:** Mixture

#### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE & USES ADVISED AGAINST

**Relevant identified uses:** Exterior Kitchen Cabinet Units, Fireplaces & Architectural Accessories  
**Uses advised against:** Any use other than those recommended

#### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**Manufacturer/supplier:** Boral Industries Inc.  
**Street address:** 1370 Grand Avenue, San Marcos, CA  
**Country ID & postcode:** USA 92078  
**Customer service telephone:** 760-736-3232 / 800-925-1491

#### 1.4 EMERGENCY TELEPHONE NUMBER

**Emergency telephone number:** 877-347-8096  
**Hours available:** 24 hours a day, 7 days a week

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE MIXTURE

Kindred Outdoors + Surrounds Architectural Substrates are defined by OSHA as an article (under normal conditions, no more than minute or trace amounts of a hazardous chemicals are released and the article does not pose a physical hazard or health risk to employees).

**An SDS not is required for articles; however, this SDS is provided to communicate hazards associated where activities related to the Kindred Outdoors + Surrounds Architectural Substrates (cutting, grinding, crushing, drilling or breaking) may result in the release of a hazardous substance in DUST.**

**GHS Classification(s) for Kindred Outdoors + Surrounds Architectural Substrates according to OSHA Hazard Communication Standard (29 CFR 1910.1200) under normal handling conditions:**  
None





**GHS Classification(s) for dust generated from cutting, grinding, crushing, drilling or breaking of Kindred Outdoors + Surrounds Architectural Substrates according to OSHA Hazard Communication Standard (29 CFR 1910.1200) under use conditions that may result in the release of hazardous substances:**

- Skin Corrosion/Irritation, Category 2 (H315)
- Eye Damage/Irritation, Category 2 (H319)
- Specific Target Organ Toxicity-Repeated Exposure (STOT-RE), Category 1 (H372)

**Note:** The dust classifications are based on (1) individual ingredient classifications (i.e. Silica Sand [SiO<sub>2</sub>], Portland Cement, glass fibers), (2) the final chemical composition of the Kindred Outdoors + Surrounds Architectural Substrates (based on cement chemistry) and (3) the form of the material (dust). Further, the Specific Target Organ Toxicity-Repeat Exposure is a conservative classification based on the potential presence of respirable crystalline silica. Kindred Outdoors + Surrounds Architectural Substrates has not performed analysis for the presence of respirable crystalline silica under these handling conditions.

**Additional information:** For full text of GHS Hazard statements (H-statements) and associated Precautionary statements (P-statements), see below.

**2.2 LABEL ELEMENTS**

The Hazard Pictograms, Signal Word and Precautionary Statements only apply to activities that may release hazardous substances from the Kindred Outdoors + Surrounds Architectural Substrates (i.e. cutting, grinding, crushing, drilling or breaking).

*No Hazard Pictograms, Signal Word or Precautionary Statements are applicable to the Kindred Outdoors + Surrounds Architectural Substrates.*

Hazard Pictograms that apply to the dust generated from cutting, grinding, crushing, drilling or breaking of the Kindred Outdoors + Surrounds Architectural Substrates:



**Signal Word:**

Danger

**Hazard Statements:**

H315: Causes skin irritation.

(For dust generated from cutting, grinding, crushing, drilling or breaking)

H319: Causes eye irritation.

H372: Causes damage to lungs through prolonged or repeated inhalation exposure.

**Precautionary Statements:**

P260: Do not breathe dust.

(For dust generated from cutting, grinding, crushing, drilling or breaking)

P270: Do not eat, drink or smoke while using this product.

P271: Use only outdoors or in a well-ventilated area.

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352: IF ON SKIN—Wash with plenty of water.

P304 + P340: IF INHALED—Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338: IF IN EYES—Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



P314: Get medical advice/attention if you feel unwell.  
 P321: See the SDS for specific treatment.  
 P332 + P313: If skin irritation occurs, get medical advice/attention.  
 P337 + 313: If eye irritation persists, get medical attention.  
 P362 + P364: Take off contaminated clothing and wash before reuse.  
 P501: Dispose of generated dust in accordance with local/regional/  
 national/international regulations.

**2.3 OTHER HAZARDS RELATED TO DUST GENERATED FROM CUTTING, GRINDING, CRUSHING, DRILLING OR BREAKING OF KINDRED OUTDOORS + SURROUNDS ARCHITECTURAL SUBSTRATES.**

**Listed Carcinogens:** Silica dust (respirable, crystalline fraction) in the form of quartz.  
**IARC:** Yes  
**NTP:** Yes  
**OSHA:** No  
**Other:** No (European Union)  
**Hazardous Properties:** Dust generated from cutting, grinding, crushing, drilling or breaking may cause eye damage and skin irritation. May be irritating to respiratory tract. Respirable crystalline silica may cause damage to lungs upon repeated inhalation exposures.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 DESCRIPTION OF THE MIXTURE**

The product is a solid concrete block that, when subjected to cutting, grinding, crushing, drilling or breaking, may form hazardous dusts.

**3.2 HAZARDOUS INGREDIENTS**

Name	CAS No.	Weight %	GHS Classification per OSHA Hazard Communication (29 CFR 1900.1200)
Silica dioxide (quartz)	14808-60-7	0-60%	STOT-RE, Category 1 (H372)*
Portland Cement	65597-15-1	20-75%	Skin Corrosion/Irritation, Category 2 (H315) Eye Damage/Irritation, Category 1 (H318) STOT-Single Exposure, Category 3 (H335)
Soda Zirconia Silicate Glass Fibers	65997-17-3	0-5%	Skin Corrosion/Irritation Category 2 Critical Damage to Eye: Category 2BSTOT Irritation to Respiratory Tract: Category 3

\*The Specific Target Organ Toxicity-Repeat Exposure (STOT-RE) is a conservative classification based on the presence/potential presence of respirable crystalline silica.



## SECTION 4. FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

<b>Inhalation:</b>	If dust generated from cutting, grinding, crushing, drilling or breaking is inhaled, remove person to fresh air and keep comfortable for breathing. Get medical attention if respiratory symptoms persist.
<b>Skin contact:</b>	If dust generated from cutting, grinding, crushing, drilling or breaking is on skin, wash with soap and water. Get medical advice/attention if irritation occurs/persists.
<b>Eye contact:</b>	If dust generated from cutting, grinding, crushing, drilling or breaking is in eyes, rinse cautiously with water for several minutes. Get medical advice/attention if irritation occurs/persists.
<b>Ingestion:</b>	No specific first aid measures are required.

### 4.2 MOST IMPORTANT HEALTH EFFECTS RELATED TO KINDRED OUTDOORS + SURROUNDS ARCHITECTURAL SUBSTRATE DUST GENERATED FROM CUTTING, GRINDING, CRUSHING, DRILLING OR BREAKING, BOTH ACUTE & DELAYED

<b>Acute effects:</b>	Direct exposure to dust generated from cutting, grinding, crushing, drilling or breaking may cause eye damage/irritation, skin irritation and respiratory irritation. Dust can dry and irritate the skin and cause dermatitis. Can irritate eyes and skin through mechanical abrasion.
<b>Delayed effects:</b>	Chronic exposure to inhaled dust generated from cutting, grinding, crushing, drilling or breaking may cause lung damage from repeated exposure. Chronic inhalation of dusts containing free crystalline silica may result in silicosis.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION & SPECIAL TREATMENT NEEDED

Seek first aid or call a doctor if contact with dust generated from cutting, grinding, crushing, drilling or breaking with eyes occurs and irritation remains after rinsing.

## SECTION 5. FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

<b>Suitable extinguishing media:</b>	Product is not flammable. Use extinguishing media appropriate for surrounding fire.
<b>Unsuitable extinguishing media:</b>	Not applicable; the product is not flammable.

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

**Hazardous combustion products:** None known.

### 5.3 ADVICE FOR FIREFIGHTERS

**Special protective equipment & precautions for firefighters:**  
As with any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.



## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES ASSOCIATED WITH KINDRED OUTDOORS + SURROUNDS ARCHITECTURAL SUBSTRATE DUST GENERATED FROM CUTTING, GRINDING, CRUSHING, DRILLING OR BREAKING

#### FOR NON-EMERGENCY PERSONNEL—

**Protective equipment:** In case of exposure to dust generated from cutting, grinding, crushing, drilling or breaking, wear specified protective equipment. (See Section 8)

**Emergency procedures:** Avoid the creation of dust generated from cutting, grinding, crushing, drilling or breaking. Use scooping, water, flushing, misting or vacuum cleaning systems. Wet methods of cutting, grinding, crushing, drilling or breaking are the preferred method of controlling dust.

#### FOR EMERGENCY RESPONDERS—

**Protective equipment:** In case of exposure to dust generated from cutting, grinding, crushing, drilling or breaking, wear specified protective equipment. In case of fire, use self-contained breathing apparatus with full face mask.

### 6.2 ENVIRONMENTAL PRECAUTIONS

Discard any product or dust residue in compliance with local regulations.

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT & CLEANING UP

**For containment & cleaning up:** After cutting, grinding, crushing, drilling or breaking activities, use scooping, water spraying, flushing, misting or ventilated vacuum cleaning system to clean up dust generated from cutting, grinding, crushing, drilling or breaking. Use closed containers. Do not use pressurized air to clean dust.

**Other information:** Take measures to avoid dust formation during cutting, grinding, crushing, drilling or breaking activities.

## SECTION 7. HANDLING & STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Protective measures:** Avoid contact with dust generated from cutting, grinding, crushing, drilling or breaking with skin, eyes, and clothing. Avoid breathing dust. Wash thoroughly after handling. Wet methods of cutting, grinding, crushing, drilling or breaking are the preferred method of controlling dust.

**Measures to prevent fires:** Not applicable; material is non-flammable.

**Measures to prevent dust generation:** Vacuum, scoop, or use water mist/spray/flush to remove generated dust during cutting, grinding, crushing, drilling or breaking activities. Do not use pressurized air. Wet methods of cutting, grinding, crushing, drilling or breaking are the preferred method of controlling dust.



**Measures to protect the environment:**

Not applicable; material is not an environmental hazard.

**Advice on general occupational hygiene:**

Practice good housekeeping. Avoid formation of dust generated from cutting, grinding, crushing, drilling or breaking. Do not breathe dust. Use adequate exhaust ventilation, dust collection and/or water mist to maintain airborne dust concentrations below permissible exposure limits. Respirable crystalline silica dust may be in the air without a visible dust cloud. In case of insufficient ventilation, wear a NIOSH approved respirator for silica dust when using, handling, storing or disposing dust from this product. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Maintain and test ventilation and dust collection equipment. Wash or vacuum clothing that has become dusty. Avoid eating, smoking, or drinking while handling the material.

**7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

**Storage conditions:** Minimize dust produced during loading and unloading.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 CONTROL PARAMETERS APPLICABLE TO KINDRED OUTDOORS + SURROUNDS ARCHITECTURAL SUBSTRATE DUST GENERATED FROM CUTTING, GRINDING, CRUSHING, DRILLING OR BREAKING**

United States

OCCUPATIONAL EXPOSURE LIMITS FOR HAZARDOUS SUBSTANCES IN THE WORKPLACE					
Substance		OSHA PEL TWA/STEL (mg/m3)	NIOSH REL TWA/STEL (mg/m3)	ACGIH TLV TWA/STEL (mg/m3)	CAL- OSHA PEL (mg/m3)
Calcium Oxide		5	2	2	-
Crystalline Silica	Total Quartz	$30 \div (\% \text{SiO}_2 + 2)$ (Total Quartz)	-	-	0.3
	Respirable Crystalline Silica	$10 \div (\% \text{SiO}_2 + 2)$	0.05	0.025 ( $\alpha$ -quartz & cristobalite)	0.1
	Cristobalite	-	0.05	0.025 ( $\alpha$ -quartz & cristobalite)	0.05 (respirable)
Particulates Not Otherwise Regulated	Total	15	15	-	10
	Respirable	5	5	-	5



## 8.2 EXPOSURE CONTROLS

### 8.2.1. EXPOSURE CONTROLS

**Engineering controls:** Ventilation should be adequate to maintain the ambient workplace atmosphere below the exposure limit(s). Use general and local exhaust ventilation and dust collection systems as necessary to minimize exposure to dust generated from cutting, grinding, crushing, drilling or breaking. Wet methods of cutting, grinding, crushing, drilling or breaking are the preferred method of controlling dust.

### 8.2.2. PERSONAL PROTECTIVE EQUIPMENT

**Respiratory protection:** Wear a NIOSH/MSHA approved particulate respirator if exposure to dust generated from cutting, grinding, crushing, drilling or breaking is unavoidable and where occupational exposure limits may be exceeded. If airborne dust exposures exceed the PEL or TLV, a self-contained breathing apparatus or airline respirator is recommended.

**Eye and face protection:** If eye contact with dust generated from cutting, grinding, crushing, drilling or breaking is anticipated, wear protective glasses with side shields. Avoid contact lenses.

**Hand & skin protection:** Wear gloves and protective clothing to minimize skin contact with dust generated from cutting, grinding, crushing, drilling or breaking. Wash hands with soap and water after contact with material.

**Foot protection:** Wear American National Standards Institute (ANSI) approved hard-toed safety shoes when handling Kindred Outdoors + Surrounds Architectural Substrates.

### 8.2.3. ENVIRONMENTAL EXPOSURE CONTROLS

**Instructions to prevent exposure:** No special requirements. Discard any product or dust residue in compliance with local regulations. Wet methods of cutting, grinding, crushing, drilling or breaking are the preferred method of controlling dust.

## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL & CHEMICAL PROPERTIES

Property:	Value	Property:	Value
Appearance:	Concrete Cabinet Unit	Lower Explosive Limit (LEL):	Not applicable
Odor:	Odorless	Pressure (Pa):	Not applicable
Odor Threshold:	Not applicable	Vapor Density:	Not applicable
pH (25°C):	Not available	Relative Density/ Specific Gravity:	1.4 – 1.6
Melting/Freezing Point (°C):	Not applicable	Water Solubility:	Negligible



Property:	Value	Property:	Value
Initial Boiling Point (°C):	Not applicable	Partition Coefficient: <i>n</i> -octanol/water:	Not applicable
Boiling Range (°C):	Not applicable	Auto-Ignition Temp (°C):	Not applicable
Flash Point(°C):	Not applicable	Decomposition Temp (°C):	Not applicable
Evaporation Rate:	Not applicable	Viscosity:	Not applicable
Flammability (solid, gas):	Not combustible	Explosive Properties:	Not applicable
Upper Explosive Limit (UEL):	Not applicable	Oxidizing Properties:	Not applicable

**SECTION 10. STABILITY & REACTIVITY**

<b>10.1 REACTIVITY STABLE</b>	Stable inert material
<b>10.2 CHEMICAL STABILITY</b>	Stable inert material
<b>10.3 POSSIBILITY OF HAZARDOUS REACTIONS</b>	None known
<b>10.4 CONDITIONS TO AVOID</b>	None known
<b>10.5 INCOMPATIBLE MATERIALS</b>	None known
<b>10.6 HAZARDOUS DECOMPOSITION PRODUCTS</b>	None known

**SECTION 11. TOXICOLOGICAL INFORMATION**

**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:**

<b>Acute toxicity:</b>	No data is available on the Kindred Outdoors + Surrounds Architectural Substrate dust generated from cutting, grinding, crushing, drilling or breaking. No ingredients within the mixture exhibit acute toxicity.
<b>Skin corrosion/irritation:</b>	Contact with dust may cause skin irritation.
<b>Serious eye damage/irritation:</b>	Eye Irritant. Eye contact with dust generated from cutting, grinding, crushing, drilling or breaking may cause eye irritation.
<b>Respiratory or skin sensitization:</b>	No data is available on the Kindred Outdoors + Surrounds Architectural Substrate dust generated from cutting, grinding, crushing, drilling or breaking. No ingredients exhibit sensitization effects.
<b>Germ cell mutagenicity:</b>	No data is available on the Kindred Outdoors + Surrounds Architectural Substrate dust generated from cutting, grinding, crushing, drilling or breaking. No ingredients exhibit mutagenic effects.
<b>Carcinogenicity:</b>	No data is available on the Kindred Outdoors + Surrounds Architectural Substrate dust generated from cutting, grinding, crushing, drilling or breaking. Crystalline silica (respirable) has been identified as a carcinogen by IARC and NTP.
<b>Reproductive toxicity:</b>	No data is available on the Kindred Outdoors + Surrounds Architectural Substrate dust generated from cutting, grinding, crushing, drilling or breaking. No ingredients exhibit reproductive toxicity.





**STOT single exposure:** No data is available on the Kindred Outdoors + Surrounds Architectural Substrate dust generated from cutting, grinding, crushing or drilling.

**STOT repeated exposure:** No data is available on the repeated inhalation of Kindred Outdoors + Surrounds Architectural Substrate dust generated from cutting, grinding, crushing, drilling or breaking. Repeated inhalation of Kindred Outdoors + Surrounds Architectural Substrate dust generated from cutting grinding, crushing or breaking may cause lung damage if respirable crystalline silica is present. Crystalline silica (respirable) has been shown to cause silicosis after repeated exposure.

**Aspiration hazard:** Not applicable, the material is a not a liquid.

**SECTION 12. ECOLOGICAL INFORMATION**

No data available on the Kindred Outdoors + Surrounds Architectural Substrate dust generated from cutting, grinding, crushing, drilling or breaking.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Considered a non-hazardous waste. Follow applicable federal, state and local regulations.

**SECTION 14. TRANSPORT INFORMATION**

**Regulatory Entity**

<b>US DOT</b>	Shipping Name	Not regulated
	Hazard Class	Not regulated
	ID Number	Not regulated
	Packing Group	Not regulated

**SECTION 15. REGULATORY INFORMATION**

**15.1 SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC TO THE MIXTURE:**

**United States Regulations**

<b>Toxic Substances Control Act (TSCA) Inventory Status</b>	All components of this product are listed on the TSCA Inventory or are exempt from listing.	
<b>SARA (Section 311/312)</b>	Reactive Hazard	No
	Pressure Hazard	No
	Fire Hazard	No
	Immediate/Acute Toxicity	No
	Delayed/Chronic Toxicity	Yes—respirable crystalline silica



**United States Regulations**

<b>SARA Section 313 Information</b>	This product does not contain any toxic chemicals listed under 313 of the Emergency Planning & Community Right-to-Know Act of 1986 (EPCRA).	
<b>Clean Air Act (CAA)</b>	This product does not contain any toxic chemicals listed under the CAA at concentrations greater than 0.1%.	
<b>Volatile Organic Compounds (VOCs)</b>	VOC Content (weight %)	0 wt. %
	Remarks	Estimated
<b>State Right-to-Know Status</b>	California Prop. 65	Crystalline Silica
	Massachusetts	Silica, Crystalline-Quartz, Calcium oxide, Calcium carbonate (Limestone), Portland cement, Iron oxide dust
	New Jersey	Silica, Crystalline-Quartz, Calcium oxide, Calcium carbonate (Limestone), Cement, Portland, Chemicals, Iron oxide
	Pennsylvania	Quartz (silica dioxide), Calcium oxide, Calcium carbonate (Limestone), Cement, Portland, Chemicals, Iron oxide

Dispose of all waste product and containers in accordance with federal, state & local regulations.

**SECTION 16. OTHER INFORMATION**

**16.1 INDICATION OF CHANGES** Initial SDS prepared on 04-01-2016

**16.2 ABBREVIATIONS & ACRONYMS**

- ANSI:** American National Standards Institute
- CAA:** Clean Air Act
- Cal/OSHA:** California Department of Industrial Relations—Division of Occupational Safety & Health
- CAS:** Chemical Abstract Service Registry Number
- CFR:** Code of Federal Regulations
- CWA:** Clean Water Act
- GHS:** Globally Harmonized System of Classification & Labeling
- HMIS:** Hazardous Materials Identification System
- IARC:** International Agency for Research on Cancer
- LEL:** Lower explosive limit
- MSHA:** Mine Safety & Health Administration
- NA:** Not Applicable
- NIOSH:** National Institute of Occupational Safety & Health
- NTP:** National Toxicology Program



**OSHA:** Occupational Safety & Health Administration  
**Pa:** Pascal  
**PEL:** Permissible exposure limit  
**SARA:** Superfund Amendments & Reauthorization Act  
**SDS:** Safety data sheet  
**STEL:** Short-term exposure limit  
**STOT-RE:** Specific target organ toxicity-repeated exposure  
**STOT-SE:** Specific target organ toxicity-single exposure  
**TLV:** Threshold limit value  
**TSCA:** Toxic Substances Control Act  
**TWA:** Time-weighted average  
**UEL:** Upper explosive limit  
**USA:** United States of America  
**US DOT:** United States of Department of Transportation  
**VOC:** Volatile organic compound

### 16.3 OTHER HAZARDS

**Hazardous Materials Identification System (HMIS):** Degree of Hazard: 0 = low, 4 = extreme

**Health:** 1\*

**Flammability:** 0

**Reactivity:** 0

*\*Dust generated from cutting, grinding, crushing, drilling or breaking activities may result in a chronic health hazard (Category 3 Health Hazard)*

**Personal Protection:** B

### DISCLAIMER

This SDS has been prepared in accordance with the Hazard Communication Rule 29 CFR 1910.1200. Information herein is based on data considered to be accurate as of date prepared. No warranty or representation, express or implied, is made as to the accuracy or completeness of this data and safety information. No responsibility can be assumed for any damage or injury resulting from abnormal use, failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

***End of Safety Data Sheet (SDS)***