

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 20-Sep-2019	Revision Date 20-Sep-2019	Revision Number 1
1. Identification		
Product identifier		
Product Name	Optima PB Lyra PB Fiberglass Ceilings by Armstrong	
Other means of identification		
Synonyms	Fiberglass Ceilings Panels	
Recommended use of the chemical	and restrictions on use	
Recommended use	Ceilings	
Restrictions on use	No information available.	
Details of the supplier of the safety	data sheet	
Supplier Address Armstrong World Industries 2500 Columbia Avenue Lancaster, PA 17603 Tel: 877-276-7876 techline@armstrongceilings.com		
Emergency telephone number		
Emergency Telephone	1-800-255-3924 (ChemTel)	

# 2. Hazard(s) identification

### **Classification**

This product is an article as defined by the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200) and Canada WHMIS 2015, which includes the amended Hazardous Products Act (HPA). No exposure to hazardous chemicals is expected to occur during intended product use. Misuse of the product may result in exposure to hazardous chemicals.
Carcinogenicity
Category 2

### Label elements

### Warning

Hazard statements Suspected of causing cancer



### **Precautionary Statements - Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention.

Precautionary Statements - Storage

Store locked up

**Precautionary Statements - Disposal** 

Dispose of contents/container to an approved waste disposal plant.

### Other information

No information available.

### 3. Composition/information on ingredients

### Substance

Not applicable.

Mixture

### Synonyms

### **Fiberglass Ceilings Panels**

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Fiberglass board	65997-17-3	85-95	-	-
Glass Fiber Veil	65997-17-3	1-5	-	-
Limestone	1317-65-3	1-3	-	-
Calcium carbonate	471-34-1	0.5-2	-	-
Titanium dioxide	13463-67-7	0-1	-	-

### 4. First-aid measures

### Description of first aid measures

General advice	IF exposed or concerned: Get medical advice/attention.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.
Skin contact	IF ON SKIN: Wash with plenty of soap and water. Get medical attention if symptoms occur.
Ingestion	Not an expected route of exposure.

### Most important symptoms and effects, both acute and delayed

Symptoms None known.

### Indication of any immediate medical attention and special treatment needed

### Note to physicians

Treat symptomatically.

5. Fire-fighting measures	
Suitable Extinguishing Media	Dry chemical, CO2, water spray or regular foam.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Avoid generation of dust. Fine dust dispersed in air may ignite. Emits toxic fumes under fire conditions.
Hazardous combustion products	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
Explosion data Sensitivity to mechanical impac Sensitivity to static discharge	t None. None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin and eyes. Use personal protective equipment as required. Do not breathe dust. Minimize dust generation and accumulation. Ensure adequate ventilation. Remove all sources of ignition.
Other information	Refer to protective measures listed in Sections 7 and 8.
Methods and material for containm	ent and cleaning up
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Use personal protective equipment as required. Use industrial vacuum cleaner with high efficiency filter. Avoid dry sweeping. Transfer to labeled containers for disposal. Clean contaminated surface thoroughly.

7. Handling and storage				
Precautions for safe handling				
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment. Avoid generation of dust. Do not breathe dust. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Take precautionary measures against static discharges. Use only with adequate ventilation. Remove all sources of ignition.			
Conditions for safe storage, including any incompatibilities				
Storage Conditions	Keep dry and in packaging until installation, to avoid dust generation. Store locked up.			

# 8. Exposure controls/personal protection

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### Control parameters

### **Exposure Limits**

Chemical name	ACGIH TLV		OSH	A PEL		NIOSH IDLH
Fiberglass board 65997-17-3	TWA: 1 fiber/cm3 res fibers: length >5 μm, ratio >=3:1, as determ the membrane filter m 400-450X magnificatio objective], using phase illumination TWA: 5 mg/m <sup>3</sup> inha particulate matte	aspect lined by ethod at n [4-mm -contrast		-		-
Glass Fiber Veil 65997-17-3	TWA: 1 fiber/cm3 res fibers: length >5 µm, ratio >=3:1, as determ the membrane filter m 400-450X magnificatio objective], using phase illumination TWA: 5 mg/m <sup>3</sup> inha particulate matte	spirable aspect ined by ethod at n [4-mm -contrast lable		-		-
Limestone 1317-65-3	No data availab	le	TWA: 5 mg/i fra (vacated) TWA d (vacated) T	/m <sup>3</sup> total dust m <sup>3</sup> respirable ction : 15 mg/m <sup>3</sup> total ust WA: 5 mg/m <sup>3</sup> le fraction		: 10 mg/m <sup>3</sup> total dust 5 mg/m <sup>3</sup> respirable dust
Calcium carbonate 471-34-1	No data availab			-	TWA: 5	: 10 mg/m³ total dust 5 mg/m³ respirable dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m		(vacated) TWA d	/m³ total dust : 10 mg/m³ total ust	TWA: TW	DLH: 5000 mg/m <sup>3</sup> 2.4 mg/m <sup>3</sup> CIB 63 fine /A: 0.3 mg/m <sup>3</sup> CIB 63 he, including engineered nanoscale
Chemical name	Alberta	Britis	sh Columbia	Ontario		Quebec
Fiberglass board 65997-17-3	TWA: 5 mg/m <sup>3</sup> TWA: 1 fibre/cm3	TW	: 1 fibre/cm3 A: 5 mg/m³	TWA: 1 fibre/ TWA: 5 mg/	′m³	TWA: 10 mg/m <sup>3</sup>
Glass Fiber Veil 65997-17-3	TWA: 5 mg/m <sup>3</sup> TWA: 1 fibre/cm3	TW	: 1 fibre/cm3 A: 5 mg/m <sup>3</sup>	TWA: 1 fibre/ TWA: 5 mg/		TWA: 10 mg/m <sup>3</sup>
Limestone 1317-65-3	TWA: 10 mg/m <sup>3</sup>	TW	A: 10 mg/m <sup>3</sup> A: 3 mg/m <sup>3</sup> L: 20 mg/m <sup>3</sup>			TWA: 10 mg/m <sup>3</sup>
Calcium carbonate 471-34-1	TWA: 10 mg/m <sup>3</sup>					TWA: 10 mg/m <sup>3</sup>
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>		հ։ 10 mg/m³ A։ 3 mg/m³	TWA: 10 mg	/m³	TWA: 10 mg/m <sup>3</sup>

### Appropriate engineering controls

### **Engineering controls**

Showers Eyewash stations Ventilation systems.

### Individual protection measures, such as personal protective equipment

Eye/face protection	Goggles.
Hand protection	Wear suitable gloves.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

# 9. Physical and chemical properties

Information on basic physical and o		
Appearance	Fibrous solid	
Physical state	Solid	
Color	Varies	
Odor	No information available	
Odor threshold	No information available	
Property_	<u>Values</u>	Remarks • Method
рН	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	1.0	
Water solubility	Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Other information		
Explosive properties	No information available.	
Oxidizing properties	No information available.	
Softening point	No information available	
Molecular weight	No information available	
VOC Content (%)	No information available	
Liquid Density	No information available	
Bulk density	No information available	
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# 10. Stability and reactivity

Reactivity	None under normal use conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Exposure to water. Eliminate sources of ignition.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products None known based on information supplied.	

## 11. Toxicological information

Information on likely routes of exposure

Product Information	
Inhalation	Specific test data for the substance or mixture is not available. Inhalation of dust in high concentration may cause irritation of respiratory system.
Eye contact	Specific test data for the substance or mixture is not available. Dust contact with the eyes can lead to mechanical irritation.
Skin contact	Specific test data for the substance or mixture is not available. Contact with dust can cause mechanical irritation or drying of the skin.
Ingestion	Specific test data for the substance or mixture is not available.
Symptoms related to the physical,	chemical and toxicological characteristics
Symptoms	None known.
Acute toxicity	

### Numerical measures of toxicity No information available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium carbonate	= 6450 mg/kg (Rat)		
Titanium dioxide	> 10000 mg/kg (Rat)		

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	Contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA	
Fiberglass board	-	Group 3	-	-	
65997-17-3					
Glass Fiber Veil	-	Group 3	-	-	
65997-17-3					
Titanium dioxide	-	Group 2B	-	Х	
13463-67-7					
Legend					

IARC (International Agency for Research on Cancer) Group 2B - Possibly Carcinogenic to Humans Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

12. Ecological information				
Ecotoxicity	The environmental impact of this product has not been fully investigated.			
Persistence and degradability	No information available.			
Bioaccumulation	No information available.			
Mobility in soil	No information available.			
Other adverse effects	No information available.			

13. Disposal considerations	

Waste treatment methods	
Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

# 14. Transport information

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated

IATA	Not regulated
<u>IMDG</u>	Not regulated

### 15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories TSCA DSL/NDSL

Contact supplier for inventory compliance status. Contact supplier for inventory compliance status.

Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65		
Titanium dioxide - 13463-67-7	Carcinogen		

### U.S. State Right-to-Know Regulations

### **US State Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania	
Limestone X		Х	Х	

1317-65-3			
Titanium dioxide	Х	Х	Х
13463-67-7			

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other informa	tion					
<u>NFPA</u>	Health hazards 1	Flammability	0	Instability	0	Physical and chemical properties -
HMIS	Health hazards 1*	Flammability	0	Physical ha	<b>zards</b> 0	Personal protection X
Key or legend to abbrev	viations and acronyms u	ised in the safe	ty data she	eet		
	SURE CONTROLS/PER	-		OTEL		
	(time-weighted average) num limit value	S *	TEL		designation	rm Exposure Limit) n
U.Š. Environmental Prote European Food Safety A EPA (Environmental Prot Acute Exposure Guideling U.S. Environmental Prote U.S. Environmental Prote Food Research Journal Hazardous Substance Da International Uniform Che Japan GHS Classification Australia National Industr NIOSH (National Industr NIOSH (National Industr NIOSH (National Industr National Library of Medic National Toxicology Prog New Zealand's Chemical Organization for Econom Organization for Econom RTECS (Registry of Toxic World Health Organization	ection Agency) e Level(s) (AEGL(s)) ection Agency Federal Inse- ection Agency Federal Inse- encial Information Databa ial Chemicals Notification for Occupational Safety a ine's ChemID Plus (NLM of ram (NTP) Classification and Informa- ic Co-operation and Deve ic Co-operation and Deve ic Co-operation and Deve c Effects of Chemical Sub n	Database ecticide, Fungicio ction Volume Ch ase (IUCLID) and Assessmen and Health) CIP) ation Database ( lopment Environ lopment High Pro lopment Screeni stances)	de, and Ro emicals tt Scheme CCID) ment, Heal oduction V	(NICNAS) Ith, and Safety olume Chemic	y Publicati cals Progr	
Issuing Date	20-Sep-201	9				
Revision Date	20-Sep-201	9				
Revision Note	Initial Relea	ase.				

### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### End of Safety Data Sheet