

Safety Data Sheet

Specialty Siding, Accessories, and Specialty Weathered Siding

Date Prepared: 02/01/2021

Supersedes Date: New

Version 1.0

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Product Name(s): Foundry Perfection Shingle, Split Shake, Staggered Shake; Grayne Shingle Siding; and Accessories (all designs and colors)

1.2 Intended Use of the Product

PVC building exterior siding products

1.3 Name, Address, and Telephone Number of the Responsible Party

Foundry Siding
200 Shotwell Drive
Franklin, OH 45005
(248) 668-6400

1.4 Emergency Telephone Number

(570) 419-2398

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the Substance or Mixture (GHS-US)

This material is not a hazardous substance as defined in the OSHA Hazard Communication Standard [29 CFR 1910.1200] because it is a manufactured article that does not result in a hazardous substance exposure during normal use. However, this SDS contains valuable information critical to the safe handling and proper use of the product and should be retained and available as a reference for employees and other users of this product. This SDS contains additional health hazard information related to particulate generation during cutting, grinding, drilling, shaping, sanding or other physical/mechanical processing, which should not occur when following installation instructions.

2.2 Label Elements (GHS-US)

Hazard Pictograms: • None required

Signal Word: • None required

Hazard Statements: • None required: All product ingredients are bound within the product. Exposures to hazardous substances are not expected during normal use.
• Mechanical injury (irritation) to eyes and skin should be prevented with proper handling and personal protective equipment.

Precautionary and Response Statements: • Do not handle until all safety precautions have been read and understood.

• Wear protective gloves and eye protection for safety.

• Wash hands and exposed skin after handling.

• Do not eat, drink, or smoke when using product.

• IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing until pain or irritation subsides.

• If skin irritation occurs/eye irritation persists or you feel unwell: Get medical advice/attention.

2.3 Other Hazards

Exposure to particulate generated during physical/mechanical processing may aggravate those with pre-existing eye, skin, or respiratory conditions.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Description of Product

Solid pre-formed rigid PVC shingles, shakes, and stone siding in various designs and colors.

3.2 Mixture Ingredients and Hazard Classification

Ingredient ⁽¹⁾	Product Identifier (CAS No.)	% (w/w)	Hazard Classification (GHS-US)
Polyvinyl chloride (PVC) polymer	9002-86-2	55 – 95	<ul style="list-style-type: none"> • Skin Irritation 2, H315 • Eye Irritation 2B, H320 • STOT-SE (Single Exposure) 3 (Respiratory), H335
Calcium carbonate	471-34-1	< 20	<ul style="list-style-type: none"> • Skin Irritation 2, H315 • Eye Irritation 2B, H320 • STOT-SE (Single Exposure) 3 (Respiratory), H335
Titanium dioxide	13463-67-7	1 - 12	<ul style="list-style-type: none"> • STOT-SE (Single Exposure) 3 (Respiratory), H335 • STOT-RE (Repeated Exposure) 2 (Respiratory), H373
Proprietary organo-tin heat stabilizer	Proprietary	< 5	<ul style="list-style-type: none"> • Acute Toxicity 4 (Oral/Dermal), H302/H312 • Skin Irritation 2, H315 • Eye Irritation 2B, H320 • STOT-SE (Single Exposure) 3 (Respiratory), H373
Colorants ^{(2),(3)}	None Established (Mixture)	< 1	<ul style="list-style-type: none"> • Not classified in this product
<p><i>fn</i>⁽¹⁾ Product is a completely polymerized PVC plastic matrix that chemically incorporates or encapsulates all listed ingredients.</p> <p><i>fn</i>⁽²⁾ Product may contain colorants, pigments or dyes at low concentration that are encapsulated and not released during normal use. Some colorants are made from materials mined from the earth and processed using energy provided by fuels. Trace amounts of naturally occurring, potentially harmful chemicals may be detected during chemical analysis.</p> <p><i>fn</i>⁽³⁾ Proprietary mixture: SDS is a composite of variable formulas to modify color of a building material using oxide pigments and other colored substances. Additional information on ingredients is available upon request.</p>			

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. Any person who is experiencing symptoms of injury or illness should be moved to a comfortable area with fresh air, and the label or SDS of this product reviewed. If feeling unwell, seek medical advice.

Inhalation: If symptoms of particle exposure (respiratory irritation) occur, move the person to fresh air. Provide drinking water, if conscious, to flush mouth and irrigate upper respiratory tract. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

Eye Contact: Do not rub or scratch eyes; particles may cause the eye to be scratched. If injury is due to a projectile, seek immediate medical attention. If the person's symptom is eye irritation due to particulate exposure, careful flushing with clean water should continue for at least 15 minutes. If contact lenses are present, they should be removed after flushing. Flushing should continue until irritation subsides. Medical attention should be obtained if irritation persists.

Skin: Wash gently with soap and warm water to prevent irritation. Injuries to skin due to abrasion and after handling should be flushed with clean water followed by first aid (application of disinfectant and bandage, if necessary). If the injury is more extensive or irritation and pain persists, medical attention should be sought.

Ingestion: Not an expected route of exposure.

4.2 Most Important Symptoms and Effects—Both Acute and Delayed

General: This product's particles may be a mechanical irritant. It is not expected to produce any adverse health effects from acute or chronic exposures.

Inhalation: Inhalation exposures are not expected with this product.

Eye Contact: Exposures of the eyes to particles may result in irritation, pain, redness, and blurred vision, which is usually temporary.

Skin Contact: Other than abrasion and irritation due to roughness of product, skin contact is not expected to cause acute or chronic symptoms.

4.3 Indication of Immediate Medical Attention and Special Treatment

Any time symptoms of eye, skin or respiratory irritation persist, medical attention should be obtained.

Notes to Physician: Treatment should be directed toward removing the source of irritation, with symptomatic treatment, as necessary.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. If product is on fire, suppress with water spray, foam, ABC dry chemical, or carbon dioxide.

5.2 Special Hazards Arising from the Substance or Mixture

Fire Hazard: Slight fire hazard. Solid does not readily release flammable vapors. **DO NOT USE A DIRECT FLAME DEVICE ON THIS PRODUCT.** (See Section 7.)

Explosion Hazard: Although not associated with normal installation practices, fine particles dispersed in air in sufficient concentrations and in the presence of an ignition source may pose a limited risk of explosion.

Reactivity or Decomposition: If exposed to fire, material can burn, generating irritating, corrosive and/or toxic substances, including carbon dioxide, carbon monoxide, organic acid vapors and hydrogen chloride.

5.3 Advice for Firefighters

In the event of fire, firefighters should wear NIOSH-approved, positive-pressure, self-contained breathing apparatus (SCBA) in accordance with the OSHA Respiratory Protection Standard (29 CFR 1910.134). PVC will not continue to burn after ignition without an external fire source. Do not allow firefighting water run-off to enter streams, rivers, or lakes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

General Measures: Avoid particulate contact with unprotected eyes and skin.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Not applicable.

6.1.2. For Emergency Personnel

Protective Equipment: Equip clean-up crew with proper PPE.

Emergency Procedures: Not applicable, except as stated in Section 5.

6.2 Environmental Precautions

Reuse product as appropriate to avoid disposal.

6.3 Methods and Material for Containment and Clean-Up

Solid material is a non-hazardous solid. Particulate debris should be cleaned up by sweeping or vacuuming while minimizing airborne emissions. Contain and collect as any solid. Pick up large pieces and dispose as refuse.

6.4 Reference to Other Sections

See Section 8. Exposure Controls and Personal Protection. For disposal information, refer to Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Comply with OSHA and other safety standards and codes for elevated work. Always use fall protection systems when working at elevations.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking, and again when leaving work.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Material should be kept dry. Store away from heat, ignition sources, open flames and protected from the elements.

7.3 Specific End-Use(s)

No applicable limits.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Limits

The following exposure limits are based on a time-weighted full-shift exposure, unless otherwise noted.

Ingredient	OSHA PEL ⁽¹⁾ (mg/m ³)	ACGIH-TLV ⁽²⁾ (mg/m ³)	Other ⁽³⁾ (mg/m ³)
Polyvinyl chloride (PVC) ⁽⁴⁾	15 (total) 5 (respirable)	5 (respirable) 10 (total)	None Established

Ingredient	OSHA PEL ⁽¹⁾ (mg/m ³)	ACGIH-TLV ⁽²⁾ (mg/m ³)	Other ⁽³⁾ (mg/m ³)
Calcium carbonate	15 (total) 5 (respirable)	10 (inhalable) 3 (respirable)	10 (total) 5 (respirable)
Titanium dioxide	15 (total)	10 (total)	None Established
Silicon dioxide (quartz/crystalline silica) ⁽⁵⁾	0.05 (50 µg/m ³) (respirable)	0.025 (respirable)	0.05 (respirable)
Proprietary organo-tin stabilizer	Not Established	0.1 0.2 (STEL)	0.1
<p><i>fn</i>⁽¹⁾ OSHA PEL (Permissible Exposure Levels at 29 CFR 1910.1000) and 1926.1153 (OSHA Respirable Crystalline Silica Standard for Construction).</p> <p><i>fn</i>⁽²⁾ ACGIH-TLV (American Conference of Governmental Industrial Hygienists-Threshold Limit Values 2020)</p> <p><i>fn</i>⁽³⁾ NIOSH REL (National Institute for Occupational Safety & Health Recommended Exposure Limit)</p> <p><i>fn</i>⁽⁴⁾ Particulates Not Otherwise Regulated (PNOR)</p> <p><i>fn</i>⁽⁵⁾ The amount of respirable crystalline silica has not been determined.</p> <p>STEL = Short Term Exposure Limit</p>			

8.2 Exposure Controls

Appropriate Engineering Controls: No special ventilation systems are required when handling this product.

Personal Protective Equipment: Protective goggles or safety glasses, and gloves as necessary for particulates and projectiles.



Hand Protection: Protective gloves as appropriate to prevent abrasion and hand injuries.

Eye and/or Face Protection: Approved safety glasses, goggles, and/or face-shield.

Skin and Body Protection: Appropriate work clothing and footwear should be worn.

Respiratory Protection: Not expected to be required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State: Solid.

Appearance: PVC siding in a wide range of shapes and colors

Odor: None.

Odor Threshold: No data.

pH: No data.

Evaporation Rate: No data.

Melting Point: Softens above 175° F (79° C)

Freezing Point: No data.

Boiling Point: No data.

Flashpoint: 736° F (391° C)

Auto-ignition Temperature: No data.

Decomposition Temperature: No data.

Flammability (solid, gas): No data.

Lower Flammable Limit: No data.

Upper Flammable Limit: No data.

Vapor Pressure: No data.

Specific Gravity: 1.28 (water = 1).

Solubility: Insoluble.

Partition Coefficient—N-Octanol/Water: Not applicable.

Viscosity: Not applicable.

Explosion Data—Sensitivity to Mechanical Impact: Not applicable.

Explosion Data—Sensitivity to Static Discharge: No data.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous reactions are not expected to occur under normal conditions.

10.2 Chemical Stability

Stable at normal conditions.

10.3 Possibility of Hazardous Reactions

No data available.

10.4 Conditions to Avoid

Fire, flames, sparks, and other extreme heat sources.

10.5 Incompatible Materials

No data available.

10.6 Hazardous Decomposition Products

Product may form carbon dioxide, carbon monoxide, hydrogen chloride and other toxic substances during heating or burning at high temperatures. (See Section 5.)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Likely Routes of Exposure

Skin Contact: Product may irritate unprotected skin due to roughness of the product.

Eye Contact: When product is cut, particles may enter unprotected eyes and cause injury or irritation resulting in tearing, stinging, redness or swelling.

Inhalation: Inhalation is not expected to be a significant route of exposure.

Ingestion: Not expected to be an exposure route of concern.

11.2 Symptoms Related to Physical, Chemical, and Toxicological Characteristics

Immediate Effects: Irritation of skin and eyes due to abrasion producing immediate discomfort.

Delayed and Chronic Effects: None known due to finished product.

11.3 Numerical Measures of Toxicity

The acute and chronic effects of exposure to this product have not been quantified.

11.4 Carcinogenicity

Silicon dioxide (quartz/crystalline silica) (14808-60-7)

OSHA: Regulates respirable crystalline silica as a respiratory disease hazard as indicated in Section 8.

IARC: Group 1 – Carcinogenic to humans.

NIOSH: NIOSH considers respirable crystalline silica as known to be a human carcinogen.

NTP: Known to be a human carcinogen.

Titanium dioxide (13463-67-7)

OSHA: Not regulated as a carcinogen.

IARC: Group 2B – Possibly carcinogenic to humans.

NIOSH: Not considered to be a human carcinogen.

NTP: Not considered to be a human carcinogen.

Note: Components are encapsulated in a plastic matrix significantly reducing bioavailability and chronic toxicity.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No additional information available.

12.2 Persistence and Degradability

No additional information available.

12.3 Bioaccumulative Potential

No additional information available.

12.4 Mobility in Soil

No additional information available.

12.5 Other Adverse Effects

No additional information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Management Methods

Waste Disposal Recommendations: Product waste is not a hazardous waste as defined by the Resource Conservation and Recovery Act regulation [40 CFR 261]. Collect waste material and dispose in accordance with all local, regional, national, provincial, territorial, and international solid waste regulations. Do not burn. If unsure of regulations, contact your local Environmental Health Department or the U.S. Environmental Protection Agency (U.S. EPA).

SECTION 14: TRANSPORT INFORMATION

14.1 DOT (U.S.)

Not regulated for transport.

14.2 IMDG (Maritime Code)

Not regulated for transport.

14.3 IATA (Air)

Not regulated for transport.

14.4 TDG (Canada)

Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

15.1 U.S. Federal Regulations

SARA Section 311/312 Hazard Class

Inventory reporting is not required for this product as a manufactured article [40 CFR 370.13(b)].

SARA Section 313 Emission Reporting

This product may contain constituents listed under SARA (Title III) Section 313 but is exempt from reporting as a manufactured article [40 CFR 372.38(b)].

TSCA Inventory

All constituents are included on the Toxic Substances Control Act Chemical Inventory (40 CFR 720) or exempt from listing.

15.2 U.S. State Regulations

State Right-to-Know Laws

This product, as an article, is exempt from hazardous substance inventory reporting under the Massachusetts, New Jersey, and Pennsylvania right-to-know laws.

California Proposition 65—Warning Not Required [California Health and Safety Code § 25249.6]

15.3 Canadian Regulations

WHMIS 2015

As a manufactured article, this product is excluded from WHMIS 2015 regulation.

15.4 Other: HMIS and NFPA

HMIS:

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION:	
 	

NFPA:



SECTION 16: OTHER INFORMATION

Party Responsible for Preparation of this Document

Foundry Siding
(800) 521-8486

Limitations

The information and recommendations set forth herein are based on data we have in our possession, and we have reason to believe is accurate. It is, however, the user’s responsibility to determine the safety, toxicity, or suitability for his/her own use of the herein described product. Because the actions by others is beyond our control, Foundry Siding makes no warranty expressed or implied regarding accuracy of the data or the results to be obtained from the use thereof.

Revision History

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