

Safety Data Sheet



Section 1: Identification

Product identifier

Product Name

- **Icon® siding; Icon® siding scrap for recycle or disposal**

Product Description

- Solid brown siding, siding pieces, or ground siding, none of which have any noticeable odor. There may be paint or coating on one or several surfaces.

Relevant identified uses of the substance or mixture and uses advised against**Recommended use**

- Residential siding, synthetic composite residential siding and trim product

Details of the supplier of the safety data sheet**Manufacturer**

- CertainTeed Corporation
20 Moores Road
Malvern, PA 19355
United States
www.certainteed.com
CertainTeed-EHS@saint-gobain.com

Telephone (General) • 610-893-6000 - 9:00 - 5:00, Eastern Time - US

Emergency telephone number**Manufacturer**

- 800-424-9300 - CHEMTREC

Section 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture**OSHA HCS 2012**

- Carcinogenicity 1A - H350
Specific Target Organ Toxicity Repeated Exposure 1 - H372
Due to formed nature of this product, exposure hazards above are only anticipated if the product is cut or ground and small particles are released.

Label elements**OSHA HCS 2012****DANGER****Hazard statements**

- May cause cancer. - H350
Causes damage to organs - Lungs through prolonged or repeated exposure via Inhalation - H372

Precautionary statements**Prevention**

- Obtain special instructions before use. - P201
Do not handle until all safety precautions have been read and understood. - P202
Do not breathe dust. - P260

Wash thoroughly after handling. - P264
 Do not eat, drink or smoke when using this product. - P270
 Wear protective gloves/protective clothing/eye protection/face protection. - P280
 IF exposed or concerned: Get medical advice/attention. - P308+P313
 Get medical advice/attention if you feel unwell. - P314

Response**Storage/Disposal**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

Other hazards**OSHA HCS 2012**

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition				
Chemical Name	Identifiers	%	Classifications According to Regulation/Directive	Comments
Fly ash	CAS:68131-74-8	40% TO 80%	OSHA HCS 2012: STOT RE 2 (Lungs, Inhl)	NDA
Aluminosilicate Glass [34% TO 76%]	NDA	13.6% TO 60.8%	OSHA HCS 2012:	NDA
Quartz [4% TO 9%]	CAS:14808-60-7	1.6% TO 7.2%	OSHA HCS 2012: Carc. 1A; STOT RE 1 (Lungs, Inhl)	NDA
Iron Mineral Dusts [0.2% TO 0.4%]	NDA	0.08% TO 0.32%	OSHA HCS 2012: Not Classified	NDA
Solid Polyurethane	CAS:9016-87-9	5% TO 35%	OSHA HCS 2012: Not Classified	NDA
Glass Fibers	CAS:65997-17-3	0% TO 10%	OSHA HCS 2012: Not Classified	NDA
Sizing [0% TO 0.3%]	NDA	0% TO 0.3%	OSHA HCS 2012: Not Classified	NDA
Paintings and/or coatings	NDA	0% TO 1%	OSHA HCS 2012: Not Classified	NDA

Section 4: First-Aid Measures

Description of first aid measures**Inhalation**

- Remove to fresh air, apply artificial respiration and/or oxygen if necessary and get medical attention.

Skin

- Remove contaminated clothing and wash exposed skin with soap and water. If irritation develops or persists, seek medical attention.

Eye

- If foreign matter enter eyes, immediately flush with large amounts of water for at least 15 minutes or until irritation subsides. Do not rub or scratch your eyes, dust particles may cause the eye to be scratched. If irritation persists, contact a physician.

Ingestion

- Consult a physician if unusual reaction is noted. Product is not intended nor is it likely to be ingested or eaten.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire-Fighting Measures**Extinguishing media**

Suitable Extinguishing Media • Use any media suitable for the surrounding fires.

Unsuitable Extinguishing Media • N/A

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • If ignited, material can burn rapidly with intense heat and dense black smoke with toxic gases. Material can melt into a burning liquid that can drip and flow.

Hazardous Combustion Products • No data available

Advice for firefighters

- Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing.

Section 6 - Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

Personal Precautions • Do not breathe dust. Wear a dust mask if generated above exposure limits. Wear appropriate protective equipment and clothing during clean-up.

Emergency Procedures • No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

Environmental precautions

- No special precautions necessary.

Methods and material for containment and cleaning up

Containment/Clean-up Measures • Do not dry sweep dust accumulation.
Pick up large pieces.
Collect dust or particulates using a vacuum cleaner with a HEPA filter. Avoid the generation of dusts during clean-up.

Section 7 - Handling and Storage**Precautions for safe handling**

Handling • Avoid breathing dust generated when sawing, routing, drilling, and sanding this product. If sawing or shaping boards indoors, ensure adequate ventilation to prevent excessive dust exposure. Wear personal protective equipment. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage • Store in a dry place and under cover to protect product.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines			
	Result	ACGIH	NIOSH
Glass Fibers as Glass wool fiber	TWAs	1 fiber/cm ³ TWA (respirable fibers: length >5 µm, aspect ratio ≥3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic vitreous fibers) as Glass wool fiber	3 fiber/cm ³ TWA (fibers ≤ 3.5 µm in diameter and ≥ 10 µm in length); 5 mg/m ³ TWA (total) as Glass wool fiber
Quartz (14808-60-7)	TWAs	0.025 mg/m ³ TWA (respirable fraction)	0.05 mg/m ³ TWA (respirable dust)

Exposure controls

Engineering Measures/Controls

- Keep exposures to dust generated from cutting, drilling, routing, sawing or crushing, as low as possible. Whenever possible, perform machining of boards in a well ventilated area (outside) and use local exhaust ventilation to keep exposures below the recommended exposure limits.

Personal Protective Equipment

Respiratory

- Manufacturer recommends use of NIOSH N-95 respirators when cutting, drilling, sanding, etc.

Eye/Face

- Safety glasses with side shields should be worn at a minimum.

Hands

- Wear leather or cotton gloves when handling large pieces and during operations such as sawing, routing or drilling.

Skin/Body

- Normal work clothing (long sleeved shirts and long pants) is recommended.

General Industrial Hygiene Considerations

- Keep formation of airborne dusts to a minimum. Use good industrial hygiene practices in handling this material.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

LLV = Limit Level Value is the exposure limit for 8-hour work day.

NIOSH = National Institute of Occupational Safety and Health

OEL = Occupational Exposure Limit

OSHA = Occupational Safety and Health Administration

PEL = Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)

STEL = Short Term Exposure Limits are based on 15-minute exposures

STV = Short-term exposure limit based on 15-minute exposure

TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)

TWAEV = Time-Weighted Average Exposure Value

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Brown, highly filled foamed solid, residential siding or trim product; may be primed or painted.
Color	Brown	Odor	Odorless
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	Not relevant

Specific Gravity/Relative Density	0.4 to 1 Water=1	Water Solubility	Negligible < 0.1 %
Viscosity	No data available	Oxidizing Properties:	No data available
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable under normal conditions.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- High temperatures. Open flames.

Incompatible materials

- Oxidizers

Hazardous decomposition products

- No data available

Section 11 - Toxicological Information

Information on toxicological effects

Other Material Information

- The potential for hazardous component release occurs during installation of the product and specifically during cutting, drilling, crushing, etc. activities that generate dust. Hazardous components are not expected to be released once the product is installed.

Components		
Solid Polyurethane (5% TO 35%)	9016-87-9	Acute Toxicity: Ingestion-Oral-Rat LD50 • 49 g/kg; <i>Behavioral:</i> Somnolence (general depressed activity); Gastrointestinal:Hypermotility, diarrhea; Nutritional and Gross Metabolic:Changes in Chemistry or Temperature:Body temperature decrease; Inhalation-Rat LC50 • 490 mg/m ³ 4 Hour(s); <i>Sense Organs and Special Senses:</i> Eye:Other; Lungs, Thorax, or Respiration:Respiratory depression; Blood:Hemorrhage; Skin-Rabbit LD50 • >9400 mg/kg; Irritation: Eye-Rabbit • 100 mg • Mild irritation; Reproductive: Inhalation-Rat TCLo • 12 mg/m ³ 6 Hour(s)(6-15D preg); <i>Reproductive Effects:Maternal Effects:Other effects; Reproductive Effects:Effects on Embryo or Fetus:Extra embryonic structures; Reproductive Effects:Specific Developmental Abnormalities:Musculoskeletal system</i>
Glass Fibers (0% TO 10%)	65997-17-3	Tumorigen / Carcinogen: Inhalation-Rat TCLo • 5 mg/m ³ 7 Hour(s) 90 Week(s)-Intermittent; <i>Tumorigenic:</i> Carcinogenic by RTECS criteria; Blood:Leukemia

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • No data available
Aspiration Hazard	OSHA HCS 2012 • No data available
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 1A
Germ Cell Mutagenicity	OSHA HCS 2012 • No data available
Skin corrosion/Irritation	OSHA HCS 2012 • No data available
Skin sensitization	OSHA HCS 2012 • No data available
STOT-RE	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1
STOT-SE	OSHA HCS 2012 • No data available
Toxicity for Reproduction	OSHA HCS 2012 • No data available
Respiratory sensitization	OSHA HCS 2012 • No data available
Serious eye damage/Irritation	OSHA HCS 2012 • No data available

Target Organs

- Lungs

Route(s) of entry/exposure

- Inhalation, Skin, Eye, Ingestion

Potential Health Effects**Inhalation****Acute (Immediate)**

- May cause coughing and/or sneezing. Temporary irritation of nose and throat may occur.

Chronic (Delayed)

- Silicosis (pulmonary fibrosis or severe lung scarring) may occur if exposed to high levels or repeated encounters with dust. This product contains crystalline silica (quartz) which is listed by IARC as carcinogen and a known human carcinogen by NTP. Exposure to airborne particles that exceed the limits listed may cause lung cancer.

Skin**Acute (Immediate)**

- Dust or powder may result in mechanical irritation of the skin characterized by itching or redness. Rubbing skin may increase irritation.

Chronic (Delayed)

- No data available.

Eye**Acute (Immediate)**

- Mechanical irritation of the eye may occur characterized by itching or redness. Rubbing may cause abrasion of cornea.

Chronic (Delayed)

- No data available

Ingestion**Acute (Immediate)**

- Ingestion of this product unlikely. Ingestion of particles may cause gastrointestinal irritation.

Chronic (Delayed)

- No data available.

Carcinogenic Effects

- When used under normal conditions, this product is not considered a carcinogen. This product contains crystalline silica. IARC Monographs on Evaluation of Carcinogenic Risk of Chemicals to Humans (Monograph 68, 1997) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to humans, IARC (Group I). Crystalline Silica is classified as a Known Carcinogen according to the NTP.

Reproductive Effects

- None known.

Other information

- This product is not toxic in its intact form. Temporary irritation may be observed in the upper respiratory system, eyes, and skin. Inhalation of dusts/fumes from this product may cause a scratchy throat, congestion, and slight coughing.

Key to abbreviations

MLD = Mild

TC = Toxic Concentration

Section 12 - Ecological Information

Toxicity

- Material data lacking.

Persistence and degradability

- No information available for the product.

Bioaccumulative potential

- No information available for the product.

Mobility in Soil

- Material data lacking.

Other adverse effects

Potential Environmental Effects

- No information available for product.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA

Special precautions for user

- None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- No data available

Section 15 - Regulatory Information

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

SARA Hazard Classifications

- Chronic

State Right To Know				
Component	CAS	MA	NJ	PA
Fly ash	68131-74-8	No	No	No
Glass Fibers	65997-17-3	Yes	No	Yes
Solid Polyurethane	9016-87-9	No	Yes	No
Quartz	14808-60-7	Yes	Yes	Yes

Inventory		
Component	CAS	TSCA
Fly ash	68131-74-8	Yes
Glass Fibers	65997-17-3	Yes
Solid Polyurethane	9016-87-9	Yes
Quartz	14808-60-7	Yes

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		(including mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers [or other mineral derived fibers] of average diameter 1 µm or less)
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Solid Polyurethane	9016-87-9	1.0 % de minimis concentration (listed under Chemical Category N120, Diisocyanates)
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - CWA (Clean Water Act) - Hazardous Substances

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - CWA (Clean Water Act) - Priority Pollutants

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - CWA (Clean Water Act) - Reportable Quantities of Designated Hazardous Substances

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - CWA (Clean Water Act) - Toxic Pollutants

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed

• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed carcinogen, initial date 7/1/90 (inhalable and biopersistent)
• Glass, oxide, chemicals as Glass wool fiber		
• Fly ash	68131-74-8	Not Listed carcinogen, initial date 10/1/88 (airborne particles of respirable size)
• Quartz	14808-60-7	

U.S. - California - Proposition 65 - Developmental Toxicity

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Solid Polyurethane	9016-87-9	Not Listed
• Glass Fibers	65997-17-3	Not Listed
• Glass, oxide, chemicals as Glass wool fiber		Not Listed
• Fly ash	68131-74-8	Not Listed
• Quartz	14808-60-7	Not Listed

Other Information

- WARNING: This product contains a chemical known to the State of California to cause cancer.

Section 16 - Other Information**Last Revision Date**

- 17/July/2014

Preparation Date

- 17/July/2014

Disclaimer/Statement of Liability

- Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Safety Data Sheet before handling product.

Key to abbreviations

NDA = No Data Available