RPS-207 *Slurry Seal*
SAFETY DATA SHEET

1. Identification

Product Identification

Product Identifier: **A Component RPS-207**
Recommended Use: RPS-207 is a two-component polymer-modified cementitious mortar for use for waterproofing concrete and masonry substrates.
Use Restrictions: For industrial use only. To ensure proper installation, use according to package directions. Complete application instructions can be found in Simpson Strong-Tie catalogs or online at strongtie.com

Company Identification

Company: Simpson Strong-Tie Company Inc.
Address: 5956 W. Las Positas Blvd.
Pleasanton, CA 94588
Phone: 1-800-999-5099
Website: www.strongtie.com
Emergency: 1-800-535-5053 (US/Canada)
1-352-323-3500 (International)

For most current SDS, please visit our website at **www.strongtie.com/sds**

2. Hazard Identification

General Information

RPS-207 is a two part system. The two parts of this product have been assessed individually according to the Globally Harmonized System (GHS). The mixed product can be assumed to carry the hazards of each component until the product has been fully cured. The final hardened material is gray and considered nonhazardous. Some hazards apply upon grinding or cutting through hardened product. This Safety Data Sheet covers hazards and responses for Component A. See Component B Safety Data Sheet for complete product information.

Component A GHS Classification

Classification according to HazCom2012 (GHS)

Physical Hazards:	Not Classified.		
Health Hazards:	Sensitization, Skin	Category 1	H317: May cause an allergic skin reaction
Environmental Hazards:	Not Classified.		

Main Symptoms: May cause rash/allergic reaction to the skin. May have mild irritant effects. Symptoms include itching, redness, and tearing.

GHS Label Elements

Exclamation Point

Contains: Acrylic Copolymer, Triethoxyoctylsilane
Signal Word: **WARNING**
Hazard Statements: H317: May cause an allergic skin reaction.
Precautionary Statements:

Prevention:	P261:	Avoid breathing mist or vapor.
	P264:	Wash hands thoroughly after handling.
	P271:	Contaminated clothing should not be allowed out of the workplace.
	P280:	Wear protective gloves/protective clothing/eye protection.
Response:	P302+P353:	IF ON SKIN: Wash with plenty of water.
	P332+P313:	If skin irritation occurs: Get medical advice/attention.
	P362+P264:	Take off contaminated clothing and wash before reuse.
	P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P337+P313:	If eye irritation persists: Get medical advice/attention.
Storage:	P403:	Store in a well-ventilated place.

	P405:	Store locked up.
Disposal:	P501:	Dispose of contents/container in accordance with local/regional regulations.

Supplemental Label Information: None known.

Hazards Not Otherwise Classified (HNOC)

The above hazards are for the uncured A component of RPS-207A. Upon combination with the B component of RPS-207, an innocuous solid, that does not present any immediate hazards, is formed. Upon grinding or cutting through the cured product, the following hazards may apply. If deemed necessary, the use of an approved respirator or dust mask can be used to control exposure to any dust that may occur.

Chronic Health

Health Hazard:	Carcinogenicity	Category 1A
	STOT, Repeated Exposure	Category 2
Hazard Statements:	May cause cancer. May cause damage to organs (lungs) through prolonged or repeated exposure.	
Precautionary Statements:	Do not breathe dust. Do not allow dust to build up on surfaces.	

3. Composition Information

General Information

This product is a mixture. Hazardous ingredients for each component are listed below. May include other nonhazardous ingredients. May include other trace ingredients, see Section 15.

List of abbreviations and symbols:
Classification: Global Harmonized System Classifications
The full text for H-phrases is displayed in section 16. All concentrations are in percent by weight unless otherwise noted.

Composition – All concentrations are in percent by weight unless otherwise indicated.

Chemical Name	Weight %	CAS Number	EC Number
Acrylic Copolymer **Classifications:** None.	20-40	N/A	N/A
Triethoxyoctylsilane **Classifications:** Skin Irrit. 2: H315	1-5	2943-75-1	220-941-2
5-Chloro-2-methyl-2H-isothiazol-3-one **Classifications:** Acute Tox. 3: H301, Acute Tox. 3: H311, Skin Corr. 1: H314, Eye Dam. 1: H318, Skin Sens. 1: H317, STOT SE 3: H335	< 0.1	26172-55-4	247-500-7

4. First-Aid Measures

General Information

Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

Routes of Exposure

Eye Contact:	Immediately flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. Remove contact lenses if present and easy to do. If redness, burning, blurred vision, or swelling persists, **consult a physician immediately.**
Skin Contact:	Remove contaminated clothing and product, immediately wash affected area with soap and water. If redness, burning, or swelling persists, **consult a physician**.
Ingestion:	Rinse mouth immediately. Only induce vomiting at the instruction of medical personnel. If you feel unwell, c**onsult a physician immediately.**
Inhalation:	Remove patient to fresh air. Oxygen or artificial respiration if needed. If patient continues to experience difficulty breathing, **consult a physician.**

Most Important Symptoms

Rash/allergic reaction to the skin. Possible irritant effects.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Extinguish with foam, carbon dioxide, dry powder, or water fog.

Additional Information:	The product will burn only after all water it contains is driven off.
Hazards during Fire-Fighting:	Material can splatter above 212°F (100°C), polymer film can burn. Irritating and toxic gases/fumes may be released during a fire.
Fire-Fighting Procedures:	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Evacuate area.

6. Accidental Release Measures

Personal Precautions

Non-emergency personnel: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Emergency personnel: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protection.

Clean-Up Methods

Small spills (uncured):	Wipe up with absorbent material (e.g. cloth, fleece). Place in leak-proof containers. Seal tightly for proper disposal. Clean surface thoroughly to remove residual contamination.
Large spills (uncured):	Stop the flow of material, if possible without risk. Dike far ahead of spill to contain material. Use a non-combustible material like vermiculite, sand or earth to soak up the product. Place in leak-proof containers. Seal tightly for proper disposal. Following product recovery, flush area with water.
Cured Material:	Chip or grind off surface. If you are grinding or cutting cured product, ensure good work practice and use of personal protective equipment as needed to control exposure to respirable dust. Take precautionary measures; do not allow dust to build up.

Environmental Precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

7. Handling and Storage

Handling

Wear appropriate personal protective equipment. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. When in use do not eat, drink, or smoke. Use only in well-ventilated places. Wash thoroughly after handling. Wash contaminated clothes before reuse. Observe good industrial hygiene practices. To obtain optimal performance from Simpson Strong-Tie products, the products must be properly installed and used in accordance with the installation instructions and design limits provided by Simpson Strong-Tie.

Storage

Store in a closed container away from incompatible materials. Keep in original container. Keep container tightly closed. Store in a cool, dry place out of direct sunlight, between 40-95°F (4-35°C). Keep away from heat and sources of ignition. Protect from physical damage. Protect from freezing. Store in a well-ventilated place. Store locked up.

8. Exposure Controls / Personal Protection

Personal Protective Equipment

Protective Measure:	Wear appropriate personal protective equipment.
Eye Protection:	Wear chemical splash goggles or safety glasses with side shield.
Hand Protection:	Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl.
Skin and Body Protection:	Wear long sleeve shirts/long pants and other clothing as required to minimize contact.
Respirator Protection:	A respirator is not required during normal use of this product. An NIOSH or MSHA approved air-purifying respirator should be worn whenever workplace conditions warrant respirator use.
General Hygiene:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Engineering Controls

If exposure limits have not been established, maintain airborne levels to an acceptable level. When using indoors good general ventilation should be used. Provide eyewash station and emergency shower.

Exposure Limits

No exposure limits listed for ingredients.

9. Physical and Chemical Properties

Physical State:	Liquid	**Freezing/Melting Point:**	32°F (0°C)
Form:	Liquid	**Boiling Point:**	212°F (100°C)
Color:	White	**Flash Point:**	Non-combustible.
Odor:	Mild	**Evaporation Rate:**	N/A
Odor Threshold:	N/A	**Specific Gravity:**	1.02
pH:	N/A	**VOC(A+B):**	3 g/L
Flammability:	N/A	**U/L Flammability:**	N/A
Vapor Pressure:	N/A	**Vapor Density:**	N/A
Solubility:	Dilutable	**Kow:**	N/A
Decomposition:	N/A	**Viscosity:**	N/A

10. Stability and Reactivity

Reactivity:	This product is stable and non-reactive under normal conditions.
Chemical Stability:	Stable under normal storage conditions.
Condition to Avoid:	High heat and flame. Do not allow material to freeze.
Substances to Avoid:	Strong oxidizing agents.
Hazardous Reactions:	Hazardous polymerization will not occur.
Decomposition Products:	Carbon dioxide, carbon monoxide, oxides of nitrogen and other organic compounds.

11. Toxicological Information

Likely Routes of Exposure

Ingestion:	Expected to be a low ingestion hazard.
Inhalation:	Prolonged inhalation may be harmful.
Skin contact:	May cause sensitization by skin contact.
Eye contact:	Not expected to cause eye irritation.
Symptoms:	Rash/allergic skin reaction.

Information on Toxicological Effects

Acute Effects

Acute Toxicity:	Not expected to be acutely toxic.
Skin corrosion/irritation:	Not expected to cause skin irritation/sensitization.
Eye damage/eye irritation:	Not expected to cause eye irritation.
Respiratory sensitization:	No data available.
Skin sensitization:	May cause sensitization by skin contact.
Aspiration hazard:	No data available.
Specific target organ toxicity:	
Single exposure	No data available.

Chronic Effects

Germ cell mutagenicity:	No data available.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity:	No data available.
Specific target organ toxicity	
Repeated exposure:	No data available.

Further Information

Toxicological, ecotoxicological, physical, and chemical properties may not have been fully investigated. Hazard data above is estimated based on best available information. Some workers with certain pre-existing medical conditions such as: asthma, allergies, or impaired pulmonary and/or liver functions, or who may be particularly susceptible to this material, may be affected by exposure to this material.

12. Ecological Information

General Information

Information given is based on data on the components and the ecotoxicology of similar products. The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Supporting Data

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.
Mobility in soil: No data available.

Other Adverse Effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

13. Disposal Considerations

Waste Disposal of Substance: Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Container Disposal: Empty containers or liners may retain some product residues; follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Disposal of Cured Product: Chip or grind off surface. Solid material does not need special disposal consideration.

14. Transportation Information

DOT: RPS-207 Component A is not regulated for transport.

IMDG/IATA: RPS-207 Component A is not regulated for transport.

Additional Information

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

This information does not cover all specific regulatory or operational requirements of this product. The classifications for transportation may vary by container volume or different regional or national regulations.

15. Regulatory Information

United States

Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):
5-Chloro-2-methyl-2H-isothiazol-3-one (CAS 26172-55-4) LISTED

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.
CERCLA Hazardous Substance List (40 CFR 302.4): Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories: Immediate	Delayed	Fire	Pressure	Reactivity
Yes	No	No	No	No

SARA 302 Extremely hazardous substance: No
SARA 311/312 Hazardous chemical: Yes
SARA 313 (TRI reporting): Not regulated.

US. California Proposition 65:
WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer, reproductive harm, or other birth defects. For more information, go to www.P65Warnings.ca.gov.

Carcinogen / Reproductive Toxin / Mutagen Information

Component	% In Blend (approx.)	IARC Monographs	NTP	ACGIH	Other
Acetaldehyde (CAS 75-07-0)	Trace	2B	ANTICIPATED	A3	CA65 (Carcinogenic)
1,4-Dioxane (CAS 123-91-1)	Trace	2B	ANTICIPATED	A3	CA65 (Carcinogenic)
Ethylene Oxide (CAS 75-21-8)	Trace	1	KNOWN	A2	CA65 (Carcinogenic)
Formaldehyde (CAS 50-00-0)	Trace	1	ANTICIPATED	A2	CA65 (Carcinogenic)

IARC: 1- Carcinogenic 2- Possibly carcinogenic 3 – Not classifiable as to carcinogenicity 4 – Probably not carcinogenic
NTP: Known to be human carcinogen or Reasonably anticipated to be a human carcinogen
ACGIH – A1 – Confirmed carcinogen A2 – Suspected carcinogen A3 – Animal carcinogen A4 – Not classified A5 – Not suspected
CA65 – California Prop 65

Canada

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

International

The product is classified and labeled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

This product is not subject to or not applicable for any of the following International Regulations; **Stockholm Convention, Rotterdam Convention, Kyoto Protocol, Montreal Protocol, Basel Convention.**

International Inventories

Australia	One or more components of this product have an unknown status on the Australian Inventory of Chemical Substances (AICS). Contact Simpson Strong-Tie Environmental Health and Safety if the status of this product on the inventory is desired.
Canada	All components of this product are included on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).
China	One or more components of this product have an unknown status on the Inventory of Existing Chemical Substances in China (IECSC). Contact Simpson Strong-Tie Environmental Health and Safety if the status of this product on the inventory is desired.
Europe	One or more components of this product have an unknown status on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing. Contact Simpson Strong-Tie Environmental Health and Safety if the status of this product on the inventory is desired.
Japan	One or more components of this product have an unknown status on the Inventory of Existing and New Chemical Substances (ENCS). Contact Simpson Strong-Tie Environmental Health and Safety if the status of this product on the inventory is desired.
Korea	One or more components of this product have an unknown status on the Existing Chemicals List (ECL). Contact Simpson Strong-Tie Environmental Health and Safety if the status of this product on the inventory is desired.
New Zealand	One or more components of this product have an unknown status on the New Zealand Inventory. Contact Simpson Strong-Tie Environmental Health and Safety if the status of this product on the inventory is desired.
Philippines	One or more components of this product have an unknown status on the Philippine Inventory of Chemicals and Chemical Substances (PICCS). Contact Simpson Strong-Tie Environmental Health and Safety if the status of this product on the inventory is desired.
United States & Puerto Rico	All components of this product are listed on the Toxic Substances Control Act (TSCA) Inventory or are not required to be listed.

16. Other Information

Date Prepared or Revised: November 2021
Supersedes: April 2020
Contact Simpson Strong-Tie Environmental Health and Safety at EHS@strongtie.com

Abbreviations

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS No.:	Chemical Abstract Service Registry Number
CERCLA:	Comprehensive Environmental Response, Compensation and Liability Act (U.S. EPA)
HPR:	Hazardous Product Regulations (Canada)
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association
IMDG:	International Maritime Dangerous Goods code
NIOSH:	National Institute of Occupational Safety and Health (U.S.)
NFPA:	National Fire Protection Association (US)
NTP:	National Toxicology Program (US)

PEL:	Permissible Exposure Limit
SARA:	Superfund Amendments and Reauthorization Act (U.S. EPA)
STEL:	Short Term Exposure Limit (15 minute Time Weighted Average)
STOT:	Specific Target Organ Toxicity (GHS Classification)
TLV:	Threshold Limit Value
TSCA:	Toxic Substances Control Act (U.S.)
TWA:	Time Weighted Average (exposure for 8-hour workday)
VOC:	Volatile Organic Compounds
WHMIS:	Canadian Workplace Hazardous Materials Information System

Full Text of H-Phrases Under Section 3

H301:	Toxic if swallowed.
H311:	Toxic in contact with skin.
H314:	Causes severe skin burns and eye damage.
H315:	May cause skin irritation.
H318:	Causes serious eye damage.
H335:	May cause respiratory irritation.

Disclaimer

This Safety Data Sheet (SDS) is prepared by Simpson Strong-Tie Co. in compliance with the requirements of OSHA 29 CFR Part 1910.1200. The information it contains is offered in good faith as accurate as of the date of this SDS. This SDS is provided solely for the purpose of conveying health, safety, and environmental information. No warranty, expressed or implied, is given. Health and Safety precautions may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

Internal

FOR INTERNAL USE ONLY

A Component 207:	B Component 207:
XCOM3B	XNA

1. Identification

Product Identification

Product Identifier: **B Component RPS-207**
Recommended Use: RPS-207 is a two-component polymer-modified cementitious mortar for use for waterproofing concrete and masonry substrates.
Use Restrictions: For industrial use only. To ensure proper installation, use according to package directions. Complete application instructions can be found in Simpson Strong-Tie catalogs or online at strongtie.com

Company Identification

Company: Simpson Strong-Tie Company Inc.
Address: 5956 W. Las Positas Blvd.
Pleasanton, CA 94588
Phone: 1-800-999-5099
Website: www.strongtie.com
Emergency: 1-800-535-5053 (US/Canada)
1-352-323-3500 (International)

For most current SDS, please visit our website at **www.strongtie.com/sds**

2. Hazard Identification

General Information

RPS-207 is a two part system. The two parts of this product have been assessed individually according to the Globally Harmonized System (GHS). The mixed product can be assumed to carry the hazards of each component until the product has been fully cured. The final hardened material is gray and considered nonhazardous. Some hazards apply upon grinding or cutting through hardened product. This Safety Data Sheet covers hazards and responses for Component B. See Component A Safety Data Sheet for complete product information.

Component B GHS Classification

Classification according to HazCom2012 (GHS)

Physical Hazards: Not Classified

Health Hazards:

Skin Corrosion/Irritation	Category 1	H314: Causes severe skin burns and eye damage
Serious Eye Damage/Irritation	Category 1	H318: Causes severe eye damage
Sensitization, Skin	Category 1	H317: May cause an allergic skin reaction
Carcinogenicity	Category 1A	H350: May cause cancer
STOT, Single Exposure	Category 3	H335: May cause respiratory irritation
STOT, Repeated Exposure	Category 2	H373: May cause damage to organs (lungs)

Environmental Hazards: Not Classified.

Main Symptoms: Damage to the eyes and skin. Symptoms include burns, redness, itching, tearing, swelling, and blurred vision. May cause rash/allergic reaction to the skin. May cause shortness of breath, discomfort in chest, or coughing. Long term exposure may cause chronic effects.

GHS Label Elements

Corrosive | Chronic Health | Exclamation Point

Contains: Portland Cement, Crystalline Silica (Quartz)
Signal Word: **DANGER!**
Hazard Statements:

H314:	Causes severe skin burns and eye damage.
H318:	Causes severe eye damage.
H317:	May cause an allergic skin reaction.
H350:	May cause cancer.
H335:	May cause respiratory irritation.
H373:	May cause damage to organs (lungs) through prolonged or repeated exposure.

Precautionary Statements:
Prevention: P201: Obtain special instructions before use.

	P202:	Do not handle until all safety precautions have been read and understood.
	P233:	Keep container tightly closed.
	P260:	Do not breathe dust, fumes, or vapors.
	P264:	Wash hands thoroughly after handling.
	P270:	Do not eat, drink, or smoke when using this product.
	P271:	Use only outdoors or in a well-ventilated area.
	P272:	Contaminated clothing should not be allowed out of the workplace.
	P280:	Wear protective gloves/protective clothing/eye protection/face protection.
Response:	P301+P330+P331:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P303+P361+P353:	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
	P333+P313:	If skin irritation or rash occurs: Get medical advice/attention.
	P363:	Wash contaminated clothing before reuse.
	P304+P340:	IF INHALED: Remove person to fresh air and comfortable for breathing.
	P312:	Call a poison center/doctor if you feel unwell.
	P305+P351+P383:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P337+P313:	If eye irritation persists: Get medical advice/attention.
	P308+P313:	IF exposed or concerned: Get medical advice/attention.
	P314:	Get medical advice/attention if you feel unwell.
Storage:	P403+P235:	Store in a well-ventilated place. Keep cool.
	P405:	Store locked up.
Disposal:	P501: Dispose of contents/container in accordance with local/regional regulations.	

Supplemental Label Information: None known.

Hazards Not Otherwise Classified (HNOC)

None known.

3. Composition Information

General Information

This product is a mixture. Hazardous ingredients for each component are listed below. May include other nonhazardous ingredients. May include other trace ingredients, see Section 15.

List of abbreviations and symbols:
Classification: Globally Harmonized System Classifications
The full text for H-phrases is displayed in section 16. All concentrations are in percent by weight unless otherwise noted.

Composition – All concentrations are in percent by weight unless otherwise indicated.

Chemical Name	Weight %	CAS Number	EC Number
Crystalline Silica, Quartz **Classifications:** Carc. 1A: H350, STOT RE 2: H373	50-70	14808-60-7	238-878-4
Portland Cements **Classifications:** Skin Corr. 1: H314, Eye Corr. 1: H318, Skin Sens. 1: H317, Carc. 1: H350, STOT SE: H335	10-40	65997-15-1	266-043-4

4. First-Aid Measures

General Information

Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

Routes of Exposure

Eye Contact: Immediately flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. Remove contact lenses if present and easy to do. If you experience redness, burning, blurred vision, or swelling **consult a physician immediately.**

Skin Contact: Remove contaminated clothing and product, immediately wash affected area with soap and water. Do not apply greases or ointments. If rash or irritation occurs **consult a physician immediately.**

Ingestion: Rinse mouth immediately. Only induce vomiting at the instruction of medical personnel. **Consult a physician immediately.**

Inhalation: Remove patient to fresh air. Give oxygen or artificial respiration if needed. If patient continues to experience difficulty breathing, **consult a physician.**

Most Important Symptoms

Damage to the eyes and skin. Symptoms include burns, redness, itching, tearing, swelling, and blurred vision. Rash/dermatitis. May cause shortness of breath, discomfort in chest, or coughing.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO_2).
Additional Information: Can form explosive air-dust mixtures, avoid creating dust.
Hazards during Fire-Fighting: During a fire, gases hazardous to health may be formed.
Fire-Fighting Procedures: Use standard fire-fighting procedures and consider the hazards of other involved materials. In case of fire and/or explosion do not breathe fumes. Self-contained breathing apparatus and full protective clothing must be worn. Move containers from fire area if you can do so without risk. Cool containers with flooding quantities of water until well after fire is out. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

6. Accidental Release Measures

Personal Precautions

Non-emergency personnel: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Emergency personnel: Keep unnecessary personnel away. Wear appropriate personal protective equipment.

Clean-Up Methods

Small spills (uncured): Avoid dry sweeping. Do not use compressed air to clean spilled silica sand. Use damp towel to wipe up small spills. Dispose of in closed containers.

Large spills (uncured): Avoid dry sweeping. Do not use compressed air to clean spilled silica sand. Use water spraying/flushing or ventilated or HEPA filtered vacuum cleaning system. Dispose of in closed containers.

Cured Material: Chip or grind off surface. If you are grinding or cutting cured product, ensure good work practice and use of personal protective equipment as needed to control exposure to respirable dust. Take precautionary measures; do not allow dust to build up.

Environmental Precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

7. Handling and Storage

Handling

Avoid generating dust. Mechanical ventilation or local exhaust ventilation is recommended. Use all available work practices to control dust exposure, such as water sprays. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Avoid contact with eyes, skin, and clothing. Do not breathe dust. Wear a respirator if dust concentrations exceed permissible exposure limits. Do not permit dust to collect and build up on work surfaces, use good housekeeping. Avoid contact with unhardened cement products. Wash thoroughly after handling. Wash contaminated clothes before reuse. Observe good industrial hygiene practices. To obtain optimal performance from Simpson Strong-Tie products, the products must be properly installed and used in accordance with installation instructions and design limits provided by Simpson Strong-Tie.

Storage

Use dust collection to trap dust produced during loading and unloading. Store in a closed container away from incompatible materials. Keep in original container, tightly closed. Store in a cool, dry place out of direct sunlight, between 40-95°F (4-35°C). Keep away from heat and sources of ignition. Store in a well-ventilated place, locked up. Protect against physical damage.

8. Exposure Controls / Personal Protection

Personal Protective Equipment

Protective Measure: Wear appropriate personal protective equipment.
Eye Protection: Wear chemical splash goggles or safety glasses with side shield.
Hand Protection: Wear chemical-resistant gloves such as: Nitrile, neoprene, butyl.

Skin and Body Protection: Wear long sleeve shirt/long pants and other clothing as required to minimize contact. In case of dust production, dust-proof clothing. Avoid contact with unhardened cement products, if contact occurs wash immediately with soap and water.

Respirator Protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.

General Hygiene: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Engineering Controls

Mechanical ventilation or local exhaust ventilation is recommended. Ventilation rates should be matched to conditions to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and emergency shower.

Exposure Limits

Component	OSHA (PEL)	ACGIH (TLV)	NIOSH Pocket Guide
Quartz (CAS 14808-60-7)	$\frac{10}{\%SiO_2 + 2}$ mg/m^3	0.025 mg/m³ (respirable)	0.05 mg/m³ (respirable)
Portland Cement (CAS 65997-15-1)	5 mg/m³(Respirable) 15 mg/m³ (Total dust)	1 mg/m³ (TWA, respirable)	N/E

9. Physical and Chemical Properties

Physical State:	Solid	**Freezing/Melting Point:**	N/A
Form:	Powder	**Boiling Point:**	N/A
Color:	Gray or White	**Flash Point:**	N/A
Odor:	Characteristic	**Evaporation Rate:**	N/A
Odor Threshold:	N/A	**Specific Gravity:**	2.8
pH:	N/A	**VOC (A+B):**	3 g/L
Flammability:	N/A	**U/L Flammability:**	N/A
Vapor Pressure:	N/A	**Vapor Density:**	N/A
Solubility:	Slight	**Kow:**	N/A
Decomposition:	N/A	**Viscosity:**	N/A

10. Stability and Reactivity

Reactivity: Stable and non-reactive under normal conditions of use and storage.

Chemical Stability: Stable and non-reactive under normal conditions of use and storage.

Condition to Avoid: Conditions which generate dust. Avoid unintentional contact with water.

Substances to Avoid: Strong oxidizers. Strong acids and bases. Ammonium salts. Aluminum metal.

Hazardous Reactions: The product is stable if stored and handled as prescribed/indicated. Strong bases are formed on the addition of water.

Decomposition Products: Carbon dioxide, carbon monoxide, oxides of nitrogen, other organic compounds.

11. Toxicological Information

Likely Routes of Exposure

Ingestion: Corrosive material; causes severe irritation or burns to the gastrointestinal tract or respiratory tract if swallowed.

Inhalation: Irritation to nose and respiratory tract.

Skin contact: Causes severe skin burns. May cause sensitization by skin contact.

Eye contact: Causes serious eye damage. Particles can cause corneal abrasion.

Symptoms: Burns, redness, itching, tearing, swelling, and blurred vision. Rash/dermatitis. May cause shortness of breath, discomfort in chest, or coughing.

Information on Toxicological Effects

Acute Effects

Toxicity: Occupational exposure to the substance or mixture may cause adverse effects.

Component		Species	Test Result
Silica, fume (CAS 69012-64-2)	**Acute,** *Oral,* LD50	Rat	22500 mg/kg

Skin corrosion/irritation: Causes severe skin burns.
Eye damage/eye irritation: Causes severe eye damage.
Respiratory sensitization: Not a respiratory sensitizer.
Skin sensitization: May cause sensitization by skin contact.
Aspiration hazard: No data available.
Specific target organ toxicity:
Single exposure Respiratory tract irritation.

Chronic Effects
Germ cell mutagenicity: No data available.
Carcinogenicity: May cause cancer.
Reproductive toxicity: No data available.
Specific target organ toxicity:
Repeated exposure May cause damage to organs (lungs) through prolonged or repeated exposure (inhalation). Repeated or prolonged exposure to respirable silica dust will cause lung damage in the form of silicosis. Symptoms include progressively more difficult breathing, cough, fever, and weight loss. Acute silicosis can be fatal.

Carcinogen / Reproductive Toxin / Mutagen Information

Component	% In Blend (approx.)	IARC Monographs	NTP	ACGIH	Other
Quartz (CAS 14808-60-7)	50-70	1	KNOWN	A2	CA65
Portland Cement (CAS 65997-15-1)	10-40	---	---	A4	---

IARC: 1- Carcinogenic 2- Possibly carcinogenic 3 – Not classifiable as to carcinogenicity 4 – Probably not carcinogenic
NTP: Known to be human carcinogen or Reasonably anticipated to be a human carcinogen
ACGIH – A1 – Confirmed carcinogen A2 – Suspected carcinogen A3 – Animal carcinogen A4 – Not classified A5 – Not suspected
CA65 – California Prop 65

Further Information

Toxicological, ecotoxicological, physical, and chemical properties may not have been fully investigated. Hazard data above is estimated based on best available information. Some workers with certain pre-existing medical conditions such as: asthma, allergies, or impaired pulmonary and/or liver functions, or who may be particularly susceptible to this material, may be affected by exposure to this material.

12. Ecological Information

General Information

Information given is based on data on the components and the ecotoxicology of similar products. This material is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Avoid release to the environment.

Supporting Data

Persistence and degradability: Not readily biodegradable.
Bioaccumulative potential: Not expected to bioaccumulate.
Mobility in soil: No data available.

Other Adverse Effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

13. Disposal Considerations

Waste Disposal of Substance: Do not allow material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Container Disposal: Empty containers or liners may retain some product residues; follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Disposal of Cured Product: Chip or grind off surface. Solid material does not need special disposal consideration.

14. Transportation Information

DOT: RPS-207 Component B is not regulated for transport.

IMDG/IATA: RPS-207 Component B is not regulated for transport.

Additional Information

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

This information does not cover all specific regulatory or operational requirements of this product. The classifications for transportation may vary by container volume or different regional or national regulations.

15. Regulatory Information

United States

Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.
CERCLA Hazardous Substance List (40 CFR 302.4):
Formaldehyde (CAS 50-00-0) LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories: Immediate	Delayed	Fire	Pressure	Reactivity
Yes	Yes	No	No	No

SARA 302 Extremely hazardous substance: No
SARA 311/312 Hazardous chemical: Yes
SARA 313 (TRI reporting):

Chemical Name	CAS Number	% In Blend (approx.)
Formaldehyde	50-00-0	< 1

US. California Proposition 65:
WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer, reproductive harm, or other birth defects. For more information, go to www.P65Warnings.ca.gov.

Carcinogen / Reproductive Toxin / Mutagen Information					
Component	**% In Blend (approx.)**	**IARC Monographs**	**NTP**	**ACGIH**	**Other**
Quartz (CAS 14808-60-7)	50-70	1	KNOWN	A2	CA65 (Carcinogenic)
Formaldehyde (CAS 50-00-0)	Trace	1	ANTICIPATED	A2	CA65 (Carcinogenic)

IARC: 1- Carcinogenic 2- Possibly carcinogenic 3 – Not classifiable as to carcinogenicity 4 – Probably not carcinogenic
NTP: Known to be human carcinogen or Reasonably anticipated to be a human carcinogen
ACGIH – A1 – Confirmed carcinogen A2 – Suspected carcinogen A3 – Animal carcinogen A4 – Not classified A5 – Not suspected
CA65 – California Prop 65

Canada

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

International

The product is classified and labeled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work.

This product is not subject to or not applicable for any of the following International Regulations; **Stockholm Convention, Rotterdam Convention, Kyoto Protocol, Montreal Protocol, Basel Convention.**

International Inventories

Australia	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).
Canada	All components of this product are included on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).
China	All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

Europe	All components of this product are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.
Japan	One or more component in this product is not listed on the Inventory of Existing and New Chemical Substances (ENCS).
Korea	All components of this product are listed on the Existing Chemicals List (ECL).
New Zealand	All components of this product are listed on the New Zealand Inventory.
Philippines	One or more component in this product is not listed on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).
United States & Puerto Rico	All components of this product are listed on the Toxic Substances Control Act (TSCA) Inventory or are not required to be listed.

16. Other Information

Date Prepared or Revised: November 2021
Supersedes: April 2020
Contact Simpson Strong-Tie Environmental Health and Safety at EHS@strongtie.com.

Abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists
CAS No.: Chemical Abstract Service Registry Number
CERCLA: Comprehensive Environmental Response, Compensation and Liability Act (U.S. EPA)
HPR: Hazardous Product Regulations (Canada)
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods code
NIOSH: National Institute of Occupational Safety and Health (U.S.)
NFPA: National Fire Protection Association (US)
NTP: National Toxicology Program (US)
PEL: Permissible Exposure Limit
SARA: Superfund Amendments and Reauthorization Act (U.S. EPA)
STEL: Short Term Exposure Limit (15 minute Time Weighted Average)
STOT: Specific Target Organ Toxicity (GHS Classification)
TLV: Threshold Limit Value
TSCA: Toxic Substances Control Act (U.S.)
TWA: Time Weighted Average (exposure for 8-hour workday)
VOC: Volatile Organic Compounds
WHMIS: Canadian Workplace Hazardous Materials Information System

Disclaimer

Safety Data Sheet (SDS) is prepared by Simpson Strong-Tie Co. in compliance with the requirements of OSHA 29 CFR Part 1910.1200. The information it contains is offered in good faith as accurate as of the date of this SDS. This SDS is provided solely for the purpose of conveying health, safety, and environmental information. No warranty, expressed or implied, is given. Health and Safety precautions may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

Internal

FOR INTERNAL USE ONLY

A Component 207: XCOM3B
B Component 207: XNA