1. Identification

Product Identification

Product Identifier:	**AT**
Recommended Use:	AT Acrylic Adhesive is a two component, high strength anchoring adhesive system.
Use Restrictions:	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

AT Acrylic Adhesive is a high-strength, two-part anchor-grout that can be used in a wide range of temperature conditions. The two parts of the product are mixed and dispensed through a mixing nozzle. The two parts of this product have been individually assessed according to the Globally Harmonized System (GHS). Exposure to the individual components will only occur with improper use. The resin and initiator are dispensed and mixed simultaneously through the mixing nozzle. The mixed product can be assumed to carry the hazards of each component until the product has fully hardened. The final hardened material is gray and can be considered nonhazardous. Some hazards apply upon grinding or cutting through hardened product. This Safety Data Sheet covers hazards and responses for this product.

Resin (White Side) GHS Classification

Classification according to HazCom2012 (GHS)

Physical Hazards:	Flammable Liquid	Category 2	H225: Highly flammable liquid and vapor
Health Hazards:	Skin Corrosion/Irritation	Category 2	H315: Causes skin irritation
	Serious Eye Damage/Irritation	Category 2	H319: Causes serious eye irritation
	Sensitization, Skin	Category 1	H317: May cause an allergic skin reaction
	STOT, Single Exposure	Category 3	H335: May cause respiratory irritation
Environmental Hazards:	Not Classified.		

Main Symptoms: Irritation of eyes and skin. Symptoms include redness, itching, burning, tearing, swelling, and blurred vision. May cause rash/allergic reaction to the skin. May cause shortness of breath, discomfort in chest, or coughing.

GHS Label Elements

Flammable **Exclamation Point**

Contains:	Methyl Methacrylate, Crystalline Silica (Quartz)	
Signal Word:	**DANGER!**	
Hazard Statements:	H225:	Highly flammable liquid and vapor.
	H315:	Causes skin irritation.
	H319:	Causes serious eye irritation.
	H317:	May cause an allergic skin reaction.
	H335:	May cause respiratory irritation.
Precautionary Statements		
Prevention:	P102:	Keep out of reach of children.
	P103:	Read label before use.
	P202:	Do not handle until all safety precautions have been read and understood.
	P210:	Keep away from heat/sparks/open flames/hot surfaces. No smoking.

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	P233:	Keep container tightly closed.
	P240:	Ground/bond container and receiving equipment.
	P241:	Use explosion-proof electrical/ventilating/lighting equipment.
	P242:	Use non-sparking tools.
	P243:	Take precautionary measures against static discharge.
	P260:	Do not breathe dust, mist, or vapors.
	P264:	Wash thoroughly after handling.
	P271:	Use only outdoors or in a well-ventilated area.
	P272:	Contaminated work clothing must not be allowed out of the workplace.
	P273:	Avoid release to the environment.
	P280:	Wear protective gloves/protective clothing/eye protection/face protection.
Response:	P302+P352:	IF ON SKIN: Wash with plenty of water.
	P333+P313:	If skin irritation or rash occurs: Get medical advice/attention.
	P362+P364:	Take off contaminated clothing and wash before reuse.
	P304+P340:	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P337+P313:	If eye irritation persists: Get medical advice/attention.
	P308+P313:	If exposed or concerned: Get medical advice/attention.
	P370+P378:	In case of fire: Use alcohol-resistant foam, carbon dioxide, dry powder, or water fog for extinction.
Storage:	P403+P235:	Store in a well-ventilated place. Keep cool.
	P405:	Store locked up.
	P411:	Store between 32-80°F (0-27°C).
	P420:	Store away from incompatible materials.
Disposal:	P501:	Dispose of contents/container in accordance with local/regional regulations.

Supplemental Label Information: None known.

Initiator (Black Side) GHS Classification

Classification according to HazCom2012 (GHS)

Physical Hazards:	Organic Peroxides	Type E	H242: Heating may cause a fire
Health Hazards:	Serious Eye Damage/Irritation	Category 2	H320: Causes eye irritation
	Sensitization, Skin	Category 1	H317: May cause an allergic skin reaction
Environmental Hazards:	Acute Aquatic Hazard	Category 1	H400: Very toxic to aquatic life
	Chronic Aquatic Hazard	Category 1	H410: Very toxic to aquatic life with long lasting effects

Main Symptoms: Irritation of eyes. Symptoms include redness, itching, burning, tearing, swelling, and blurred vision. May cause rash/allergic reaction to the skin.

GHS Label Elements

Exclamation Point | **Flammable** | **Environmental Hazard**

Contains:	Crystalline Silica (Quartz), Dibenzyol Peroxide, Zinc Stearate	
Signal Word:	**DANGER!**	
Hazard Statements:	H242:	Heating may cause a fire.
	H320:	Causes eye irritation.
	H317:	May cause an allergic skin reaction.
	H400:	Very toxic to aquatic life.
	H410:	Very toxic to aquatic life with long lasting effects.
Precautionary Statements:		
Prevention:	P102:	Keep out of reach of children.
	P103:	Read label before use.

	P202:	Do not handle until all safety precautions have been read and understood.
	P210:	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
	P220:	Keep away from clothing and other combustible materials.
	P234:	Keep only in original packaging.
	P235:	Keep cool.
	P260:	Do not breathe dust, mist, or vapor.
	P264:	Wash thoroughly after handling.
	P272:	Contaminated work clothing should not be allowed out of the workplace.
	P273:	Avoid release to the environment.
	P280:	Wear protective gloves/protective clothing/eye protection/face protection.
Response:	P302+P352:	IF ON SKIN: Wash with plenty of water.
	P333+P313:	If skin irritation or rash occurs: Get medical advice/attention.
	P363:	Wash contaminated clothing 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.
	P308+P313:	If exposed or concerned: Get medical advice/attention.
	P370+P378:	In case of fire: Use alcohol-resistant foam, carbon dioxide, dry powder, or water fog for extinction.
	P391:	Collect spillage.
Storage:	P403:	Store in a well ventilated place.
	P405:	Store locked up.
	P410:	Protect from sunlight.
	P411:	Store between 32-80°F (0-27°C).
	P420:	Store away from other materials.
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 components of AT. Upon combination of the two components, an innocuous solid which does not present any immediate hazards is formed. Upon grinding or cutting through the cured product, the following hazards may apply. Ensure good work practice and use of personal protective equipment as needed to control exposure to processing dust.

Chronic Health

Health Hazard:	Carcinogenicity	Category 1A
	STOT, Repeated Exposure	Category 1
Hazard Statement:	May cause cancer. Causes damage to organs through prolonged and repeated exposure.	
Precautionary Statement:	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.

Resin (White Side)

Chemical Name	Weight %	CAS Number	EC Number
Crystalline Silica, Quartz **Classifications:** Carc. 1A: H350, STOT RE 1: H372	40-50	14808-60-7	238-878-4
Methyl Methacrylate **Classifications:** Flam. Liq. 2: H225, Skin Irrit. 2: H315, Skin Sens. 1: H317, STOT SE 3: H335, Aquatic Acute 3 : H402	20-30	80-62-6	201-297-1
2-Propenoic acid, 2-methyl-1,6-hexanediyl ester **Classifications:** Eye Irrit. 2: H320, Skin Sens. 1: H317	1-5	6606-59-3	229-551-7

Tripropylene Glycol Diacrylate	1-5	42978-66-5	256-032-2
Classifications: Skin Irrit. 2: H315, Eye Irrit. 2: H319, Skin Sens. 1: H317, STOT SE 3: H335, Aquatic Chronic 2: H411			
Titanium Dioxide	< 1	13463-67-7	236-675-5
Classifications: Carc. 2: H351			

Initiator (Black Side)

Chemical Name	Weight %	CAS Number	EC Number
Crystalline Silica, Quartz	30-50	14808-60-7	238-878-4
Classifications: Carc. 1A: H350, STOT RE 1: H372			
Dibenzoyl Peroxide	20-40	94-36-0	202-327-6
Classifications: Org. Per. B: H241, Eye Irrit. 2: H319, Skin Sens. 1: H317, Aquatic 1: H400+H410			
Zinc Distearate	1-5	557-05-1	209-151-9
Classifications: Aquatic Acute 1: H400			
Carbon Black	< 1	1333-86-4	215-609-9
Classifications: Carc. 2: H351			

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. Do not apply greases or ointments. If redness, burning, or swelling persists, **consult a physician**.

Ingestion: Rinse mouth immediately. Do not induce vomiting. **Consult a physician.**

Inhalation: Remove patient to fresh air. Give oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. If patient continues to experience difficulty breathing, **consult a physician.**

Most Important Symptoms

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

5. Fire-Fighting Measures

Suitable Extinguishing Media: Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide.

Additional Information: Do not use water jet as an extinguisher as this will spread the fire.

Hazards during Fire-Fighting: Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. May re-ignite after fire is extinguished. During fire, gases/vapors 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). 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): Take precautionary measures against static discharge. 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. If desired, approved solvents, such as ketones (MEK, acetone, etc.), lacquer thinner, or adhesive remover can be used. Do NOT use solvents to clean adhesives from skin. Take appropriate precautions when handling flammable solvents. Solvents may damage surfaces to which they are applied.

Large spills (uncured): Take precautionary measures against static discharge. Stop the flow of material, if this is 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. Keep combustibles away from spilled material.

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. Can form explosive air-dust mixtures. 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

Keep away from open flames, hot surfaces and sources of ignition. All equipment use when handling this product must be grounded. Explosion proof exhaust ventilation is suggested. Wear appropriate personal protective equipment. Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapor. Do not breathe any dust that may be created. When using, do not eat, drink, or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

Storage

Full Unused Cartridges: Keep away from incompatible materials (See section 10 of the SDS). Keep in original container. Keep container tightly closed. Store in a dry, well-ventilated place out of direct sunlight, between 32-80°F (0-27°C). Keep away from heat and sources of ignition. Protect container from physical damage. Keep out of reach of children.

Partially Used Cartridges: To store partially used cartridge temporarily replace cap or leave hardened nozzle in place. To re-use, attach new nozzle. Do not try to dispense after adhesive hardens in nozzle. CAUTION: Adhesive will start to gel in the nozzle. Adhesive will gel faster at higher temperatures. Material under pressure can blowout the back of the cartridge if the adhesive in the nozzle hardens. Use only an appropriate Simpson Strong-Tie® mixing nozzle in accordance with Simpson Strong-Tie instructions. Modification or improper use of mixing nozzle may impair adhesive performance. Keep out of reach of children.

8. Exposure Controls / Personal Protection

Personal Protective Equipment

General Protection: 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: The use of a respirator is not required during regular use of this product. If grinding or cutting cured product, the use of an approved respirator is recommended.

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
Methyl Methacrylate (CAS 80-62-6)	410 mg/m^3 100 ppm	100 ppm (STEL) 50 ppm (TWA)	100 ppm (TWA)

Crystalline Silica, Quartz (CAS 14808-60-7)	$\frac{10}{\%SiO_2 + 2}$ mg/m^3	0.025 mg/m³ (respirable)	0.05 mg/m³ (respirable)
Titanium Dioxide (CAS 13463-67-7)	15 mg/m³	10 mg/m³	N/E
Dibenzoyl Peroxide (CAS 94-36-0)	5 mg/m³	5 mg/m³ (TWA)	5 mg/m³ (TWA)
Zinc Stearate (CAS 557-05-1)	5 mg/m³ (respirable) 15 mg/m³ (total)	10 mg/m³	5 mg/m³ (respirable) 10 mg/m³ (total)
Carbon Black (CAS 1333-86-4)	3.5 mg/m³	3 mg/m³	0.1 mg/m³

9. Physical and Chemical Properties

Property	Resin	Initiator
Physical State:	Liquid, Paste	Liquid, Paste
Color:	White	Black
Odor:	Strong acrid odor	No Significant Odor
pH:	5.9	5.3
Flammability limit – lower %:	No data	No data
Flammability limit – upper %:	No data	No data
Vapor Pressure:	Not volatile	No data
Vapor Density:	No data	No data
Solubility:	No data	Slightly soluble in water
Freezing/Melting Point:	No data	approximately 10 °F (-12°C)
Boiling Point:	No data	No data
Flash Point:	>73 °F (>22.8 °C) Closed Cup	203 °F (95.0 °C) Closed Cup
Evaporation Rate:	No data	No data
Decomposition Temperature:	No data	113 °F (45 °C) (SADT)
Specific Gravity:	No data	1.38 at (72°F/22°C)
VOC (after cure):	25 g/L	25 g/L
Kow:	No data	No data
Viscosity:	No data	No data
Corrosiveness:	Non-corrosive	Non-corrosive

10. Stability and Reactivity

Reactivity: Stable under normal conditions. Resin unstable when exposed to heat.

Chemical Stability: Stable under normal temperature conditions.

Condition to Avoid: Heat and open flame. Avoid temperatures above 113 °F (45 °C) around initiator.

Substances to Avoid: Resin should avoid oxidizing and reducing agents. Initiator should avoid rust, iron, copper, acids, alkalis, and reducing agents.

Hazardous Reactions: No dangerous reactions known under normal use. Resin polymerization can occur when exposed to excessive heat. The product is stable if stored and handled as prescribed/indicated.

Decomposition Products: Resin decomposes with heat. Combustion may produce oxides of carbon, aldehydes and smoke. Initiator products include benzoic acid, benzene, biphenyl and phenyl benzoate.

11. Toxicological Information

Likely Routes of Exposure

Ingestion: Expected to be a low ingestion hazard.

Inhalation: This material is a viscous liquid to semi-solid that does not easily form vapors. May cause respiratory tract irritation. Do not inhale any dust that may be created by grinding, etc. the cured product.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Eye contact: Causes serious eye irritation.

Symptoms: Redness, itching, burning, tearing, swelling, and blurred vision; shortness of breath, discomfort in chest, or coughing. Rash/dermatitis.

Information on Toxicological Effects

Acute Effects

Toxicity: Not expected to be acutely toxic.

Component	Estimate
AT Resin Toxicity Estimate	
Acute, *Oral,* LD50	> 8000
Acute, *Dermal,* LD50	> 4000
Acute, *Inhalation*, LC50	> 25
AT Initiator Toxicity Estimate	
Acute, *Oral,* LD50	> 10000
Acute, *Dermal,* LD50	> 2000
Acute, *Inhalation*, LC50	> 25

Skin corrosion/irritation: Causes skin irritation.
Eye damage/eye irritation: Causes serious eye irritation.
Respiratory sensitization: No data available.
Skin sensitization: May cause an allergic skin reaction.
Aspiration hazard: Due to the physical form of this product it is not an aspiration hazard.
Specific target organ toxicity
Single exposure: May cause respiratory irritation.

Chronic Effects

Germ cell mutagenicity: The available data does not indicate that any ingredient of this product present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: May cause cancer. Both components of this product contain chemicals that are considered carcinogenic only in respirable form. Due to the nature of this product, inhalation is highly unlikely. Exposure to the respirable form of these chemicals is likely only when grinding or cutting cured product. Ensure good work practice and use of personal protective equipment as needed to control exposure.

Reproductive toxicity: The available data does not indicate any component of this product is a reproductive toxin.

Specific target organ toxicity
Repeated exposure: The prolonged and repeated inhalation of processing dust will cause damage to organs (lungs). 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)	30-50	1	KNOWN	A2	CA65
Titanium Dioxide (CAS 13463-67-7)	< 1	2B	---	---	CA65
Methyl Methacrylate (CAS 80-62-6)	20-30	3	---	---	---
Dibenzyol Peroxide (CAS 94-36-0)	20-40	3	---	---	---
Carbon Black (CAS 1333-86-4)	< 1	2B	---	---	CA65

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. AT Resin is not classified as an environmental hazard. AT Initiator is classified as very toxic to aquatic life with long lasting effects. Avoid release to the environment.

Supporting Data

Component		Estimate
AT Resin Toxicity Estimate		
	Aquatic, Fish, LC50	60-100 mg/l, 96 hours
	Aquatic, Crustacea, EC50	60-100 mg/l, 48 hours
	Aquatic, Algae, EC50	> 100 mg/l, 72 hours
AT Initiator Toxicity Estimate		
	Aquatic, Fish, LC50	< 0.1 mg/l, 96 hours
	Aquatic, Crustacea, EC50	< 1 mg/l, 48 hours
	Aquatic, Algae, EC50	< 0.1 mg/l, 72 hours

Persistence and degradability: No data is available on the degradability of this product.
Bioaccumulative potential: No data available for this product.
Mobility in soil: No data available.

Further Information

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

13. Disposal Consideration

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 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

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.

	Resin (White Side)	Initiator (Black Side)
UN number:	UN1866	UN3107
UN proper shipping name:	RESIN SOLUTION, 3, III	ORGANIC PEROXIDE TYPE E, LIQUID (Dibenzoyl Peroxide, 22%), 5.2, II, Marine Pollutant
Precautions:	Flammable	Organic Peroxide, Marine Pollutant
Required Labels:	3	5.2
ERG Code (IATA):	3L	5L
EmS (IMDG):	F-E, S-E	F-J, S-R
Special Precautions for Users:	Read safety instructions, SDS and emergency procedures before handling.	

Based on packaging size, the supplier may apply the basic description: *UN3269, Polyester Resin Kit, 3, III*. Please consult the 49 CFR HMR, IATA DGR, and IMDG Code to ensure that subsequent shipments comply with these 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.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.
CERCLA Hazardous Substance List (40 CFR 302.4):
Methyl Methacrylate (CAS 80-62-6) LISTED

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Superfund Amendments and Reauthorization Act of 1986 (SARA):

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

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

Chemical Name	CAS Number	% In Blend (approx.)
Methyl Methacrylate	80-62-6	20-30
Dibenzoyl Peroxide	94-36-0	20-40

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)	30-50	1	KNOWN	A2	CA65 (Carcinogenic)
Titanium Dioxide (CAS 13463-67-7)	< 1	2B	---	---	CA65 (Carcinogenic)
Carbon Black (CAS 1333-86-4)	< 1	2B	---	---	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 are not 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	One or more components of this product are not listed on the Inventory of Existing Chemical Substances in China (IECSC).
Europe	One or more components of this product are not included on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are not exempt from listing.
Japan	One or more components in this product are not listed on the Inventory of Existing and New Chemical Substances (ENCS).
Korea	One or more components of this product are not included on the Existing Chemicals List (ECL).
New Zealand	One or more components of this product are not included on the New Zealand Inventory.
Philippines	One or more components in this product are not listed in 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.

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16. Other Information

Date Prepared or Revised: October 2019
Supersedes: August 2016
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)
DOT:	Department of Transportation (U.S.)
EPA:	Environmental Protection Agency (U.S.)
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals
HEPA:	High-Efficiency Particulate Air
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)
OSHA:	Occupational Safety and Health Administration (U.S.)
PEL:	Permissible Exposure Limit
SARA:	Superfund Amendments and Reauthorization Act (U.S. EPA)
SDS:	Safety Data Sheet
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)
U.S.:	United States
VOC:	Volatile Organic Compounds
WHMIS:	Canadian Workplace Hazardous Materials Information System

Full Text of H – Phrases Under Section 3

H241:	Heating may cause a fire or explosion.
H350:	May cause cancer.
H351:	Suspected of causing cancer.
H372:	Causes damage to organs through prolonged and repeated exposure.
H402:	Harmful to aquatic life.
H411:	Toxic to aquatic life with long lasting effects.

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

AT Resin:	AT Initiator:
XFLM1C – 90% Cartridge	XOP – 10% Cartridge

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