

SAFETY DATA SHEET	•		Strong-rie
1. Identification			_
Product Identification			
Product Identifier: Recommended Use: Use Restrictions:	CRACK-PAC [®] FLEX-H CRACK-PAC FLEX-H ₂ C To ensure proper install) is a polyurethane se	ealant adhesive. to package directions. Complete application
			Tie catalogs or online at strongtie.com.
Company Identification			
Company:	Simpson Strong-Tie Co		
Address:	5956 W. Las Positas Bly Pleasanton, CA 94588,		
Phone: Website:	1-800-999-5099		
Emergency:	www.strongtie.com 1-800-535-5053 (US/Ca 1-352-323-3500 (Interna		
For most current SDS, pleas	se visit our website at www.strongt		
2. Hazard Identification			
General Information			
assessed according to the C component until the product	Globally Harmonized System (GHS). t has fully hardened. The final cured Data Sheet covers the hazards and	. The mixed product or product will be unifor	e two parts of this product have been individually can be assumed to carry the hazards of each mly green in color and can be considered fe use of this product.
Classification According t			
Physical Hazards:	Not Classified.		
Health Hazards	Acute Toxicity, Inhalation	Category 4	H332: Harmful if inhaled
	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
	Sensitization, Respiratory	Category 1	H334: May cause allergy or asthma symptoms
	STOT, Single Exposure STOT, Repeated Exposure	Category 3 Category 2	H335: May cause respiratory irritation H373: May cause damage to organs through prolonged or repeated exposure
Environmental Hazards:	: Not Classified.		
Main Symptoms:		to the skin. May cause	itching, burning, tearing, swelling, and blurred vision. e shortness of breath, discomfort in chest, or cts.
GHS Label Elements		•	
	Chronic Health	Exclamation Point	
Contains:	MDI Prepolymer, Propa	noic Acid	
Signal Word:	DANGER!		
Signal Word: Hazard Statements:		mful if inhaled.	
-	H332: Har	mful if inhaled. Ises skin irritation.	
-	H332: Hari H315: Cau H319 : Cau	ises skin irritation. ises serious eye irrita	
-	H332: Hari H315: Cau H319: Cau H317: May	uses skin irritation. uses serious eye irrita / cause an allergic ski	

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	H373:	May cause damage to organs (lungs) through prolonged or repeated exposure.
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.
	P260:	Do not breathe mist or vapor.
	P264:	Wash 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 work clothing should not be allowed out of the workplace.
	P280:	Wear protective gloves/protective clothing/eye protection/face protection.
	P284:	In case of inadequate ventilation wear respiratory protection.
Response:	P302+P352:	IF ON SKIN: Wash with plenty of soap and water.
	P333+P313:	If skin irritation or rash occurs: Get medical advice/attention.
	P362+P364:	Take off contaminated clothing and wash it before reuse.
	P304+P340:	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P342+P313:	If experiencing respiratory symptoms: Get medical advice/attention.
	P305+P351+P338	3: 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.
Storage:	P403+P233:	Store in a well-ventilated place. Keep container tightly closed.
	P405:	Store locked up.
Disposal:	P501:	Dispose of contents/container in accordance with local/regional regulations.

Supplemental Label Information: None known.

Accelerant (Green Side) GHS Classification

Physical Hazards:	Flammable Liquid	Category 4	H227: Combustible liquid
Health Hazards	Skin Corrosion/Irritation	Category 1B	H314: Causes severe skin burns
	Serious Eye Damage/Irritation	Category 1	H318: Causes serious eye damage
	Sensitization, Skin	Category 1	H317: May cause an allergic skin reaction
	Germ Cell Mutagenicity	Category 2	H341: Suspected of causing genetic defects
	Reproductive Toxicity	Category 1B	H360: May damage fertility or the unborn chi
	STOT, Single Exposure	Category 3	H335: May cause respiratory irritation
	STOT, Repeated Exposure	Category 2	H373: May cause damage to organs through prolonged or repeated exposure

Environmental Hazards: Not Classified.

Main Symptoms: Damage to the eyes and skin. Symptoms include burns, redness, itching, tearing, swelling, and blurred vision. May cause severe irritation or burns to the gastrointestinal tract and respiratory system. 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

	L Z	
Exclamation Point	Corrosive	Chronic Health

Contains:	Tertiary Amines, Tin Mercaptide		
Signal Word:	DANGER!		
Hazard Statements:	H227:	Combustible liquid.	
	H314:	Causes severe skin burns and eye damage.	
	H318:	Causes serious eye damage.	

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	H317:	May cause an allergic skin reaction.
	H341:	Suspected of causing genetic defects.
	H360:	May damage fertility or the unborn child.
	H335:	May cause respiratory irritation.
	H373:	May cause damage to organs through prolonged or repeated exposure.
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.
	P260:	Do not breathe mist or vapor.
	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 work clothing must 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.
	P310:	Immediately call a POISON CENTER/doctor.
	P303+P361+P353	: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse
		skin with water/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 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.
	P338+P313:	If eye irritation persists: Get medical advice/attention.
	P370+P378:	In case of fire: Use foam, carbon dioxide, dry powder or water fog for
		extinction.
Storage:	P403:	Store in a well-ventilated place.
	P405:	Store locked up.
	P411:	Store between 45-90°F (7-32°C).
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: 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 (Clear Side)

Chemical Name	Weight %	CAS Number	EC Number
MDI Prepolymers	40-65	96328-90-4,	692-819-0,
		59675-67-1	686-507-3
Classifications: Skin Irrit. 2: H315, Eye Irrit. 2: H319, Skin Sens. 1: H31 2: H373	7, Resp. Sens.	. 1: H334, Carc. 2: ł	1351, STOT RE
Propanoic Acid, ester	10-25	6846-50-0	229-934-9
Classifications: None.			
Diphenylmethane Diisocyanate, mixed Isomers	< 15	26447-40-5	247-714-0
Classifications: Acute Tox. 4: H332, Skin Irrit. 2: H315, Eye Irrit. 2: H319, Skin Sens. 1: H317, Resp. Sens. 1: H334,			
Carc. 2: H351, STOT SE 3: H335, STOT RE 2: H373		-	

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Methylene Biphenyl Isocyanate	< 15	101-68-8	202-966-0
Classifications: Acute Tox. 4: H332, Skin Irrit. 2: H315, Eye Irrit. 2: H315), Skin Sens.	1: H317, Resp. Sens	s. 1: H334,
Carc. 2: H351, STOT SE 3: H335, STOT RE 2: H373			
Polymeric Diphenylmethane Diisocyanate	< 10	9016-87-9	618-498-9
Classifications: Acute Tox. 4: H332, Skin Irrit. 2: H315, Eye Irrit. 2: H315), Skin Sens.	1: H317, Resp. Sens	s. 1: H334,
STOT SE 3: H335, STOT RE 2: H373			

Accelerant (Green Side)

Chemical Name	Weight %	CAS Number	EC Number
Tertiary Amine Classifications: N/A	20-40	N/A	N/A
Tin Mercaptide Classifications: N/A	< 10	N/A	N/A

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 skin irritation persists consult a physician .
Ingestion:	Rinse mouth immediately. Give large amounts of milk or water, if person is conscious. Do NOT induce vomiting. 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. Permanent eye damage, including blindness, may result. May cause severe irritation or burns to the gastrointestinal tract and respiratory system. May cause rash/allergic reaction to the skin. May cause shortness of breath, discomfort in chest, or coughing.

5.	Fire-Fighting Measures	
	Suitable Extinguishing Media:	Extinguish with foam, carbon dioxide, dry powder, or water fog.
	Additional Information:	Do not use water jet as an extinguisher as this will spread the fire.
	Hazards during Fire-Fighting:	Closed containers may rupture violently if heated. Product reacts slowly with water to produce carbon dioxide which may rupture closed containers. This reaction accelerates at higher temperatures. Irritating and toxic gases/fumes may be released during a fire. Water run-off can cause environmental damage.
	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. In case of fire and/or explosion do not breathe fumes. 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.

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.



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an-Up Methods	
Small spills (uncured):	Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Pla in leak-proof containers. Seal tightly for proper disposal. Move to outside well-ventilated area. T with 10 parts decontamination solution to 1 part isocyanate. Mix well. Allow to stand uncovered 48 hours before 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):	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-p containers. Seal tightly for proper disposal. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Move to outside well-ventilated area. T with 10 parts decontamination solution to 1 part isocyanate. Mix well. Allow to stand uncovered 48 hours before disposal. Clean spill area with decontamination solution and allow to stand for minutes before removal. Test atmosphere for MDI. 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.
vironmental Precautions	
	nt. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or contaminate water. Avoid discharge into drains, water courses or onto the ground.
Handling and Storage	
dling	
required. Persons already sensi minimize contact. Keep the wor eat, drink or smoke. Do not brea	tot surfaces and sources of ignition. No smoking. Mechanical ventilation or local exhaust ventilation is itized to diisocyanates may develop allergic reactions when using this product. Work practice should kplace clean. Avoid any exposure. Wear appropriate personal protective equipment. When using, do no athe mist or vapor. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Wash use. Observe good industrial hygiene practices.
rage	
heated. Keep away from heat, s	tore in a cool, dry place. Store between 40-90°F (7-32°C). Closed containers may rupture violently if sparks and open flame. Do not store in direct sunlight. Protect against physical damage. Protect from minated. After container has been opened, blanket with nitrogen before resealing. Keep out of the reach

Exposure Controls / Personal Protection 8.

Personal Protective Equipment	
General Protection:	Wear appropriate personal protective equipment.
Eye Protection:	Wear chemical splash goggles or safety glasses with side shield.
Hand Protection:	Use disposable gloves protecting against isocyanates along with cotton gloves closest to the skin. Nitrile rubber gloves are recommended.
Skin and Body Protection:	Wear long sleeve shirts/long pants and other clothing as required to minimize contact.
Respirator Protection:	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
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

Mix and prepare in a place with efficient exhaust ventilation. Mechanical ventilation or local exhaust ventilation is recommended. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls 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.

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	Component	OSHA	ACGIH	NIOSH]
	-	(PEL)	(TLV)	Pocket Guide	-
	Methylene Bisphenyl Isocyanate	0.02 ppm (ceiling)	0.005 ppm (TWA)	0.005 ppm (TWA)	
	(101-68-8)	0.2 mg/m ³ (ceiling)	0.051 mg/m ³ (TWA)	0.02 ppm (ceiling)	-
	Polymeric diphenylmethane	0.02 ppm (ceiling)	0.005 ppm (TWA)	0.005 ppm (TWA)	
	diisocyanate (9016-87-9)	0.2 mg/m ³ (ceiling) 0.1 mg/m ³ (skin)	0.051 mg/m ³ (TWA)	0.02 ppm (ceiling)	-
0	Tin Mercaptide Physical and Chemical Properti		0.1 mg/m³ (skin)		
9.			Accelore	un f	
	<u>Property</u> Physical State:	<u>Resin</u> Liquid	<u>Accelera</u> Liquid	lint	
	Color:	Clear/Light Yellow	Clear/Gre	20n	
	Odor:	Slightly musty	Amine		
	pH:	No data	No data		
	Flammability limit – lower %:	No data	No data		
	Flammability limit – upper %:	No data	No data		
	Vapor Pressure:	< 0.0001 mmHg at 25°C			
	Vapor Density:	Heavier than air	Heavier t	han air	
	Solubility:	Insoluble in water		oluble in water	
	Freezing/Melting Point:	No data	No data		
	Boiling Point:	No data	No data		
	Flash Point:	>200 °F (>93.3 °C) Clos		(>67 °C) Closed Cup	
	Evaporation Rate:	No data	No data		
	Decomposition Temperature:	No data No data			
	Specific Gravity:	1.04-1.07 at 77°F (25°C)		3 at 77 °F (25°C)	
	VOC (after cure): 3 g/L		3 g/L		
	Kow:	No data No data			
	Viscosity:	600-900 cps at 77°F (2 (s at 77 °F (25°C)	
	Corrosiveness:	Non-corrosive	Corrosive		
10.	Stability and Reactivity				
	Reactivity:	Resin material reacts with v	vater. Accelerant is stable and	non-reactive under normal con	ditions.
	Chemical Stability:	Stable under normal storag			antionio.
	Condition to Avoid:	Moisture. High heat and op			
	Substances to Avoid:			action with water is very slow un	nder
				ccelerant: mineral acid, organi	
			hypochlorite, calcium hypochlor		
	Hazardous Reactions:			s in the presence of alkalis, terti	iarv
			nds. Accelerant: Hazardous po		. ,
	Decomposition Products:			xide and other organic compou	ınds.
11.	Toxicological Information		_		
	Routes of Exposure				
LIKEIYI	Ingestion:	Harmful if swallowed. Corre	sive material: causes severe in	ritation or burns to the gastroint	ostinal
	ingestion.			ination of burns to the gastrollit	estinai
	Inhalation:	tract or respiratory tract if swallowed.		'n	
	Skin contact:	Harmful if inhaled. May cause allergy or asthma symptoms. May cause respiratory irritatior Causes severe skin burns. May cause an allergic skin reaction.		л т .	
	Eye contact:	Causes serious eye damag			
	Symptoms:			n. May cause severe irritation c	nr hurne
	Symptoms.				Ji Duilis
		to the gastrointestinal tract and respiratory system. Rash/dermatitis. Shortness of breath, discomfort in chest, or coughing.			
Informa	nformation on Toxicological Effects				
	<u>Acute Effects</u> Toxicity:	Harmful if swallowed. Harm	ful if inhaled		
	Toxicity:	namuu n swalloweu. Harm			

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Component		Estimate
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CRACK-PAC® FLEX-H2O		4500 "
	Acute, Oral, LD50	4500 mg/kg
	Acute, Dermal, LD50	17000 mg/kg
	Acute, Inhalation, LC50	250 mg/l, 4 hours
CRACK-PAC® FLEX-H ₂ O	[™] Accelerator Estimate	
	Acute, Oral, LD50	> 1600 mg/kg
	Acute, Dermal, LD50	10000 mg/kg
	Acute, Inhalation, LC50	> 16000 ppm, 8 hours
	Addic, Initiation, 2000	
Skin corrosion/irritation:	Causes severe skin burns.	
ye damage/eye irritation:	Causes serious eye damage.	
Respiratory sensitization:	May cause allergy or asthma symptoms.	
Skin sensitization:	May cause an allergic skin reaction.	
Aspiration hazard:	No data available.	
Specific target organ toxicity		
Single exposure:	May cause respiratory irritation.	
e		
Chronic Effects		
	Cupported of coupling garatic defects	
Serm cell mutagenicity:	Suspected of causing genetic defects.	
Carcinogenicity:	No data available.	
Reproductive toxicity:	May damage fertility or the unborn child.	
Specific target organ toxicity		
Repeated exposure:	May cause damage to organs through prole	onged or repeated exposure.
formation Toxicological, ecotoxicological, phy based on best available information	sical, and chemical properties may not have be b. Some workers with certain pre-existing medic r who may be particularly susceptible to this mat	al conditions such as: asthma, allergies
formation Toxicological, ecotoxicological, phy pased on best available information pulmonary and/or liver functions, or	sical, and chemical properties may not have be . Some workers with certain pre-existing medic	al conditions such as: asthma, allergies
formation Toxicological, ecotoxicological, phy based on best available information bulmonary and/or liver functions, or cological Information	sical, and chemical properties may not have be . Some workers with certain pre-existing medic	al conditions such as: asthma, allergies
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ormation oxicological, ecotoxicological, phy ased on best available information ulmonary and/or liver functions, or cological Information formation nformation given is based on data	sical, and chemical properties may not have be b. Some workers with certain pre-existing medic who may be particularly susceptible to this mat on the components and the ecotoxicology of sir	al conditions such as: asthma, allergies, terial, may be affected by exposure to th nilar products. The product is not classif
formation oxicological, ecotoxicological, phy pased on best available information pulmonary and/or liver functions, or cological Information formation nformation given is based on data environmentally hazardous. Howev	sical, and chemical properties may not have be b. Some workers with certain pre-existing medic who may be particularly susceptible to this mat	al conditions such as: asthma, allergies, terial, may be affected by exposure to th nilar products. The product is not classif
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formation Toxicological, ecotoxicological, phy pased on best available information pulmonary and/or liver functions, or cological Information formation nformation given is based on data environmentally hazardous. However offect on the environment. g Data Component	sical, and chemical properties may not have be b. Some workers with certain pre-existing medic who may be particularly susceptible to this mat on the components and the ecotoxicology of sir er, this does not exclude the possibility that larg O [™] Resin Estimate Aquatic, Fish, LC50 Aquatic, Algae, EC50	al conditions such as: asthma, allergies, terial, may be affected by exposure to the nilar products. The product is not classif e or frequent spills can have a harmful of <u>Test Result</u> > 350 mg/l, 96 hours < 50 mg/l, 72 hours
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Disposal of Cured Product: Chip or grind off surface. Solid material does not need special disposal consideration. ©2022 Simpson Strong-Tie Company Inc.

recycling or disposal.

CRACK-PAC® FLEX-H₂**O[™]** *Polyurethane Crack Sealer* SAFETY DATA SHEET



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 (Clear Side)	Accelerant (Green Side)
UN number:		UN2735
UN proper shipping name:	Not regulated for shipping.	AMINES, LIQUID, CORROSIVE, N.O.S. (Hexadecyldimethylamine), 8, III
Precautions:		Corrosive
Required Labels:		8
ERG Code (IATA):		8L
EmS (IMDG):		F-A, S-B
Special Precautions for Users:	Read safety instructions, SDS and emergency procedures before handling.	

Based on packaging size, Limited Quantity exemptions may apply. Please consult the 49 CFR HMR, IATA DGR, and IMDG Code to ensure that shipments comply with these regulations.

15.	Regulatory Information		
United	States		
	Federal Regulations:	This product is a "Hazardous Chemica Standard, 29 CFR 1910.1200.	I" as defined by the OSHA Hazard Communication
	TSCA Section 12(b) Export Notifica	ition (40 CFR 707, Subpt. D):	Not regulated.
	US. OSHA Specifically Regulated S	Substances (29 CFR 1910.1001-1050):	Not listed.
	CEDCLA Harandavia Cubatanaa Lia	+ / AD OFD 202 A).	

CERCLA Hazardous Substance List (40 CFR 302.4): Methylene Bisphenyl Isocyanate (CAS 101-68-8)

LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance: No

SARA 311/312 Hazardous chemical: Yes

SARA 313 (TRI reporting):

Component	CAS Number	% In Blend (approx.)
Methylene Bisphenyl Isocyanate	101-68-8	< 15
Polymeric Diphenylmethane Diisocyanate	9016-87-9	< 10

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.

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 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.

CRACK-PAC[®] FLEX-H₂**O[™]** *Polyurethane Crack Sealer* SAFETY DATA SHEET



International Inventories

Canada	All components of this product are included on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).
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:
 December 2022

 Supersedes:
 November 2019

 Contact Simpson Strong-Tie Environmental Health and Safety at EHS@strongtie.com

Abbreviations

1 1	IONS	
11	ACGIH: CAS No.: CERCLA: HPR: GHS: HMIS: IARC: IATA: IMDG: NIOSH: NFPA: NTP: PEL: SARA: STEL: STOT: TLV: TSCA: TWA:	American Conference of Governmental Industrial Hygienists Chemical Abstract Service Registry Number Comprehensive Environmental Response, Compensation and Liability Act (U.S. EPA) Hazardous Product Regulations (Canada) Globally Harmonized System of Classification and Labeling of Chemicals Hazardous Materials Identification System International Agency for Research on Cancer International Air Transport Association International Maritime Dangerous Goods code National Institute of Occupational Safety and Health (U.S.) National Institute of Occupational Safety and Health (U.S.) National Fire Protection Association (US) National Toxicology Program (US) Permissible Exposure Limit Superfund Amendments and Reauthorization Act (U.S. EPA) Short Term Exposure Limit (15 minute Time Weighted Average) Specific Target Organ Toxicity (GHS Classification) Threshold Limit Value Toxic Substances Control Act (U.S.) 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

Suspected of causing cancer.

Disclaimer

H351:

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.

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Internal

FOR INTERNAL USE ONLY

CPFH09 Resin:	CPFH09 Accelerant:
XCOM3B – 95% Cartridge	XCOM3A – 5% Cartridge
_	XCORR – 5% Cartridge