N	-		1
	ron	19-1	Te

Identification oduct Identification Product Identifier: Recommended Use: Use Restrictions: mpany Identification	SET-XP (SET-XP10, SET-XP22, SET-XP56, High Strength Anchoring Adhesive for Crack None Known.	
Product Identifier: Recommended Use: Use Restrictions: mpany Identification	High Strength Anchoring Adhesive for Crack	
Recommended Use: Use Restrictions: mpany Identification	High Strength Anchoring Adhesive for Crack	
•		
Company: Address:	Simpson Strong-Tie Company Inc. 5956 W. Las Positas Blvd. Pleasanton, CA 94588	
Phone:	1-800-999-5099	
Website:	www.strongtie.com	
Emergency: For most current SDS, please visit	1-800-535-5053 (US/Canada) / 1-352-323-3 our website at www.strongtie.com/sds	500 (International)
Hazard Identification	_	
neral Information		
SET-XP Anchoring Adhesive is a t		e been assessed according to GHS and are classifie ly upon grinding or cutting through hardened product
sin (white side) GHS Classification	· · · · · · · · · · · · · · · · · · ·	
Physical Hazards:	Not Classified.	
Health Hazards:	Skin Corrosion/Irritation Serious Eye Damage/Irritation Sensitization, Skin Germ Cell Mutagenicity	Category 2 Category 2A Category 1 Category 2

Collect Spillage.

Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing genetic defects. Toxic to aquatic life with long lasting effects.

Precautionary Statements: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing mist or vapor. Wash thoroughly after handling. Avoid release to the environment. If exposed or concerned: Call a poison center/doctor. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Store locked up. Store in a well-ventilated place. Store between 45-90°F (7-32°C).

Dispose of contents/container in accordance with local/regional/national regulations.

Category 1

Category 1

Category 1

Storage: Disposal:

Hardener (green side) GHS Classification

Signal Word:

Hazard Statements:

Prevention:

Response:



Physical Hazards: **Health Hazards:**

Not Classified. Skin Corrosion/Irritation Serious Eye Damage/Irritation Sensitization, Skin

SET-XP[®] High Strength SAFETY DATA SHEET

P [®] High Strength Ancho DATA SHEET	ring Adhesive for Cracked and Unc	racked Concrete Strong-Tie		
Environmental Hazards:	Germ Cell Mutagenicity Acute Aquatic Environmental Hazard Chronic Aquatic Environmental Hazard	Category 2 Category 3 Category 3		
Signal Word:	DANGER!			
Hazard Statements:	Causes severe skin burns and eye damage. causing genetic defects. Harmful to the aqua	May cause an allergic skin reaction. Suspected of tic environment with long lasting effects.		
Precautionary Statements:		5 5		
Prevention:	and understood. Wash thoroughly after hand product. Use only outdoors or in a well-ventil allowed out of the workplace. Wear protectiv	otain special instructions before use. Do not handle until all safety precautions have been read d understood. Wash thoroughly after handling. Do not eat, drink or smoke when using this oduct. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be owed out of the workplace. Wear protective gloves/protective clothing/eye protection/face otection. In case of inadequate ventilation wear respiratory protection. Avoid release to the vironment		
Response:	vomiting. If on skin (or hair): Take off immedi water/shower. Wash contaminated clothing b medical advice/attention. If inhaled: Remove	Attention. If swallowed: Rinse mouth. Do not induce ately all contaminated clothing. Rinse skin with before reuse. If skin irritation or rash occurs: Get person to fresh air and keep comfortable for ater for several minutes. Remove contact lenses, if mediately call a poison center/doctor.		

Hazards Not Otherwise Classified (HNOC)

Storage:

Disposal:

The above hazards are for the uncured Resin component of SET-XP. Upon combination with the Hardener component of SET-XP an innocuous solid is formed which does not present any immediate hazards. Upon grinding or cutting the cured product the following hazards may apply.



Hazard Statements: **Precautionary Statements:**

Health Hazards:

Carcinogenicity Category 1A STOT, Repeated Exposure Category 2 (Lung) May cause cancer. May cause damage to organs (Lung) through prolonged or repeated exposure. Do not breathe dust.

Store in a well-ventilated place. Keep container tightly closed. Store between 45-90°F (7-32°C).

Dispose of contents/container in accordance with local/regional/national/international regulations.

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.

Resin (white side)

Chemical Name	CAS Number	Weight %
Bisphenol A/Epichlorohydrin	25068-38-6	40-60
Phenol, polymer with formaldehyde, glycidyl ether	28064-14-4	40-60
Butyl Glycidyl Ether	2426-08-6	1-10
Titanium Dioxide	13463-67-7	1-10

Hardener (black side)

Chemical Name	CAS Number	Weight %
Silica, crystalline quartz	14808-60-7	20-30
Polyamido Amine	68953-36-6	10-20
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	1-10
Dimethyl silicone polymer with silica	67762-90-7	1-10
Phenol	108-95-2	1-10
Benzene-1,3-Dimethaneamine	1477-55-0	1-10
3,6,9-triazaundecamethylenediamine	112-57-2	1-5

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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.
Skin Contact:	Remove contaminated clothing and product, immediately wash affected area with soap and water. Do not apply greases or ointments. Chemical burns must be treated by a physician .
Ingestion:	Rinse mouth immediately. Give large amounts of milk or water, if person is conscious. Only induce vomiting at the instruction of medical personnel. Consult a physician.
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

Irritant effects. Symptoms include itching, burning, redness and tearing. Burning pain and severe corrosive skin damage. Causes severe eye damage. May cause temporary blindness and severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause allergic skin reaction. Prolonged exposure may cause chronic effects.

5.	Fire-Fighting Measures	
	Suitable Extinguishing Media: Additional Information:	Extinguish with foam, carbon dioxide, dry powder, or water fog. None known.
	Hazards during Fire-Fighting:	Hazardous decomposition products may occur when materials polymerize at temperatures above500°F (260°C). 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. 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
Keep unnecessary personnel away. 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 vapors or mists. Local authorities should be advised if significant spillages cannot be contained.
Clean Lin Methods

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.
Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Use a non-
combustible material like vermiculite, sand or earth to soak up the product and place into a
container for later disposal. Following product recovery, flush area with water. Prevent entry into
waterways, sewer, basements or confined areas.

Environmental Precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment.

7. Handling and Storage

Handling

Mechanical ventilation or local exhaust ventilation is recommended. Keep away from open flames, hot surfaces and sources of ignition. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Avoid contact with eyes, skin, and clothing. Pregnant women should not work with this product if there is risk of exposure. Observe good industrial hygiene practices.

Storage

Store in a closed container away from incompatible materials. Keep in original container. Store in a dry place out of direct sunlight. Keep out of the reach of children. Store between 45-90°F (7-32°C). Keep away from heat and sources of ignition.

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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.
Respirator Protection:	The use of a respirator is not required during normal 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

When using indoors good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Ready access to running water is required. Provide eyewash station.

Exposure Limits

Component *Skin Designation	OSHA	ACGIH	NIOSH
	(PEL)	(TLV)	Pocket Guide
Quartz (14808-60-7)	0.3 mg/m³(total dust) 0.1 mg/m³ (respirable)	0.025 mg/m ³ (respirable)	0.05 mg/m ³ (respirable)
Phenol*	19 mg/m ³	5 ppm	60 mg/m³ (Ceiling)
(CAS 108-95-2)	5 ppm		15.6 ppm (Ceiling)
m-Phenylenebis(methylamine)* (CAS 1477-55-0)	N/E	0.1 mg/m ³ (Ceiling)	0.1 mg/m ³ (Ceiling)
N-Butyl Glycidyl Ether	270 mg/m ³	3 ppm	30 mg/m ³ (Ceiling)
(2426-08-6)	50 ppm		5.6 ppm (Ceiling)
Titanium Dioxide (13463-67-7)	5 mg/m³(respirable) 15 mg/m³(total dust)	10 mg/m ³	N/E

Additional Information

After Cure:

Product forms an innocuous solid. Processing after cure (grinding or cutting) may produce dust containing compounds that present an inhalation hazard.

9. Physical and Chemical Properties

Property	Resin	Hardener
Physical State:	Liquid, Paste	Liquid, Paste
Color:	White	Dark Green
Odor:	Sweet	Ammonia
pH:	6.9	10.3
Flammability limit – lower %:	No data	No data
Flammability limit – upper %:	No data	No data
Vapor Pressure:	Non-volatile	No data
Vapor Density:	No data	No data
Solubility:	Insoluble in water	Slightly soluble in water
Freezing/Melting Point:	No data	No data
Boiling Point:	> 500 °F (>260 °C)	No data
Flash Point:	250 °F (121 °C) Open Cup	262 °F (128 °C) Closed Cup
Evaporation Rate:	No data	No data
Decomposition Temperature:	No data	No data
Specific Gravity:	1.21 at 72°F (22°C)	1.59 at 72°F (22°C)
VOC (after cure):	3 g/L	3 g/L
Kow:	No data	No data
Viscosity:	No data	No data

$\ensuremath{\textbf{SET-XP^{\$}}}$ High Strength Anchoring Adhesive for Cracked and Uncracked Concrete safety data sheet

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10. Stability and Reactivity

Resin (white side)				
Reactivity:	This product is stable and non-rea	ctive under normal o	onditions	
Chemical Stability:	Stable under normal storage condi		onations.	
Condition to Avoid:	High heat and open flame.	uons.		
Substances to Avoid:	Oxidizing agents, acids, organic ba	sees and amines		
Hazardous Reactions:	Hazardous polymerization does no			
Decomposition Products:	Carbon dioxide, carbon monoxide,		and other organic compou	nde
Hardener (green side)		oxides of fillingeri, a		1103.
Reactivity:	This product is stable and non-rea	ctive under normal c	onditions	
Chemical Stability:	Stable under normal storage condi		onations.	
Condition to Avoid:	High heat and open flame.	uono.		
Substances to Avoid:	Strong oxidizing agents. Peroxides	Phonols Acids		
Hazardous Reactions:	Hazardous polymerization does no			
Decomposition Products:	Carbon dioxide, carbon monoxide,		and other organic compou	inds.
11. Toxicological Information		5 /	5 1	
Likely Routes of Exposure				
Ingestion:	May be harmful if swallowed. Inge	ation may cause irrit	ation to the gastrointecting	l tract
Ingestion:	May cause respiratory irritation	suon may cause imita	ation to the gastronitestina	a udul.
Skin contact:	Causes skin irritation. Causes sev	ara skin hurne. Mave	cause an allergic skin room	ction
Eye contact:	Causes serious eye irritation. Causes sevi			
-	Causes serious eye initation. Caus			
Information on Toxicological Effects Acute toxicity:	Occupational exposure to the subs	tanco or mixturo ma		
			Test Result	
Product SET-XP Resin (CAS mi	atura)	Species	Test Result	
SET-XP Resili (CAS III	Acute, Dermal, LC50	Rabbit	>2000 mg/kg	
	Acute, Dermal, LC50 Acute, Oral, LD50	Rat	>5000 mg/kg	
SET-XP Hardener (CAS		Nat	~5000 mg/kg	
	Acute, Dermal, LD50	Rabbit	>2000 mg/kg	
	Acute, Oral, LD50	Rat	>5000 mg/kg	
Skin corrosion/irritation:	Causes severe skin burns.		<u> </u>	
Eye damage/eye irritation:	Causes severe eye damage.			
Respiratory sensitization:	No data available.			
Skin sensitization:	May cause an allergic skin reaction	۱.		
Germ cell mutagenicity:	Contains a component that is susp		netic defects.	
Carcinogenicity:	May cause cancer. Quartz and Ti			ly in their inhalab
C <i>j</i>	form. Exposure to respirable Quar			
	cured product, ensure good work p			
	control exposure.			
	IARC Monographs. Overall Eval	uation of Carcinoge	enicity	
	Quartz (14808-60-7)	1 Carcinogenic		
	Titanium Dioxide (13463-67-7)		rcinogenic to humans.	
	Phenol (108-95-2)	3 Not classifiab	le as to carcinogenicity in	humans.
	NTP Report on Carcinogens			
_ .	Quartz (14808-60-7)		uman Carcinogen	
Reproductive toxicity:	The available data does not indica		ts of this product are repr	oductive toxins.
Aspiration hazard:	Not expected to be an aspiration h	azard.		
Specific target organ toxicity:				
Single exposure	No data available.			
Repeated exposure	May cause damage to organs (lun	g) through prolonged	or repeated exposure.	
Further Information				
Toxicological, ecotoxicological, phy	sical, and chemical properties may not	have been fully invest	stigated. Hazard data abo	ve is estimated

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 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.

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Ecological Information 12.

General Information

Information given is based on data on the components and the ecotoxicology of similar products. Resin is classified as toxic to aquatic life with long lasting effects. Hardener is classified as harmful to aquatic life with long lasting effects. Avoid release to the environment.

Supporting Data

 warming potential) are expected from this product. Disposal Consideration Waste Disposal of Substance: Do not allow this material to drain into sewers/water supplies. Do not contaminate waterways or ditches with chemical or used container. Dispose of contents/conta with local/regional/national/international regulations. Container Disposal: 	5.00			
Aquatic Acute, Algae, EC50 Algae >1000 mgll, 72 hours Aquatic Acute, Crustacea, EC50 Daphnia Magna 324,87 mgll, 48 hours Aquatic Acute, Crustacea, EC50 Daphnia 707.11 mgll, 96 hours Aquatic, Crustacea, EC50 Daphnia 4.7-6.4 mg/l, 48 hours Aquatic, Fish, LC50 Rainbow trout 7.5-14 mg/l, 96 hours Persistence and degradability: This product is not expected to be readily biodegradable. Bioaccumulative potential: No data available for this product. Partition coefficient no-ctanol / water (log Kow) Butyl glycidyl ether (2426-08-6) 0.63 Phenol (108-95-2) 1.46 Mobility in soil: This product is non-volatile. er Information Moster adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disrupti warming potential) are expected from this product. Disposal of Substance: Do not allow this material to drain into sewers/water supplies. Do not contaminate waterways or ditches with chemical or used container. Dispose of contents/contai with local/regional/national/international regulations. Container Disposal: Empty containers or liners may retain some product residues; follow label warning container is empty containers should be taken to an approved waste ha recycling or disposal. Dispos			Species	Test Result
Aquatic, Crustacea, EC50 Daphnia 4.7-6.4 mg/l, 48 hours Aquatic, Fish, LC50 Rainbow trout 7.5-14 mg/l, 96 hours Persistence and degradability: This product is not expected to be readily biodegradable. Bioaccumulative potential: No data available for this product. Partition coefficient n-octanol / water (log Kow) Butyl glycidyl ether (2426-08-6) 0.63 Phenol (108-95-2) 1.46 No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disrupti warming potential) are expected from this product. Disposal Constderation Waste Disposal of Substance: Do not allow this material to drain into sewers/water supplies. Do not contaminate waterways or ditches with chemical or used container. Dispose of contents/contai with local/regional/national/international regulations. Container Disposal: Empty containers or liners may retain some product regidues; follow label warning container is emptied. Empty containers should be taken to an approved waste hai recycling or disposal. Disposal of Cured Product: Grind or thip off surface. Solid material does not require special disposal. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-Epichlorohydrin), 9, III, Marine Pollutant Precautions: Marine Pollutant Required Labels: 9 ERG Code (IATA); <th>Aquat Aquatic A Aqua</th> <td>tic Acute, Algae, EC50 cute, Crustacea, EC50</td> <td>Daphnia Magna</td> <td>324.87 mg/l, 48 hours</td>	Aquat Aquatic A Aqua	tic Acute, Algae, EC50 cute, Crustacea, EC50	Daphnia Magna	324.87 mg/l, 48 hours
Bioaccumulative potential: No data available for this product. Partition coefficient n-octanol / water (log Kow) Butyl glycidyl ether (2426-08-6) 0.63 Phenol (108-95-2) 1.46 Mobility in soil: This product is non-volatile. Information				
er Information No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disrupti warming potential) are expected from this product. Disposal Consideration Waste Disposal of Substance: Do not allow this material to drain into sewers/water supplies. Do not contaminate waterways or ditches with chemical or used container. Dispose of contents/contai with local/regional/national/international regulations. Container Disposal: Empty containers may retain some product residues; follow label warning container is emptied. Empty containers should be taken to an approved waste ha recycling or disposal. Disposal of Cured Product: UN3082 UN proper shipping name: Precautions: Narine Pollutant Required Labels: 9 ERG Code (IATA): 9 ERG (Code (IATA): 9 ERG (I	Bioaccumulative potential:	No data available for th Partition coefficient n Butyl glycidyl ether (242 Phenol (108-95-2)	is product. -octanol / water (log Kow) 26-08-6) 0.63 1.46	
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruptive warming potential) are expected from this product. Disposal Consideration Waste Disposal of Substance: Do not allow this material to drain into sewers/water supplies. Do not contaminate waterways or ditches with chemical or used container. Dispose of contents/contai with local/regional/national/international regulations. Container Disposal: Empty containers or liners may retain some product residues; follow label warning container is emptied. Empty containers should be taken to an approved waste has recycling or disposal. Disposal of Cured Product: Grind or chip off surface. Solid material does not require special disposal. Transportation Information white side UN number: UN3082 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-Epichlorohydrin), 9, III, Marine Pollutant Required Labels: 9 ERG Code (IATA): 9 ERG (MDG): F-A, S-F er (black side) UN number: UN2735 UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Benzene-1,3-Dimethaneamine), 8, II Precautions: Required Labels: 8 ERG Code (IATA): 8 ERG C	Information			
waterways or ditches with chemical or used container. Dispose of contents/conta with local/regional/national/international regulations. Container Disposal: Empty containers or liners may retain some product residues; follow label warning container is emptied. Empty containers should be taken to an approved waste ha recycling or disposal. Disposal of Cured Product: Grind or chip off surface. Solid material does not require special disposal. Transportation Information White side) UN number: UN3082 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-Epichlorohydrin), 9, III, Marine Pollutant Precautions: Marine Pollutant Required Labels: 9 EmS (IMDG): F-A, S-F UN number: UN2735 UN number: UN2735 UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Benzene-1,3-Dimethaneamine), 8, II Precautions: Corrosive Required Labels: 8 ERG Code (IATA): 8L EmS (IMDG): F-A, S-B	warming potential) are expected from		photochemical ozone creati	on potential, endocrine disrupt
vhite side) UN number: UN3082 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-Epichlorohydrin), 9, III, Marine Pollutant Precautions: Marine Pollutant Required Labels: 9 ERG Code (IATA): 9L EmS (IMDG): F-A, S-F er (black side) UN2735 UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Benzene-1,3-Dimethaneamine), 8, II Precautions: Corrosive Required Labels: 8 ERG Code (IATA): 8L Erns (IMDG): F-A, S-B	Container Disposal:	waterways or ditches w with local/regional/nation Empty containers or line container is emptied. En recycling or disposal.	ith chemical or used contai nal/international regulation ers may retain some produ mpty containers should be	ner. Dispose of contents/conta s. ct residues; follow label warnin taken to an approved waste ha
UN number:UN3082UN proper shipping name:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-Epichlorohydrin), 9, III, Marine PollutantPrecautions:Marine PollutantRequired Labels:9ERG Code (IATA):9LEmS (IMDG):F-A, S-FUN number:UN2735UN proper shipping name:AMINES, LIQUID, CORROSIVE, N.O.S. (Benzene-1,3-Dimethaneamine), 8, IIPrecautions:CorrosiveRequired Labels:8ERG Code (IATA):8LErG S (IMDG):F-A, S-B	Transportation Information			
UN proper shipping name:ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-Epichlorohydrin), 9, III, Marine PollutantPrecautions:Marine PollutantRequired Labels:9ERG Code (IATA):9LEmS (IMDG):F-A, S-Fer (black side)UN2735UN number:UN2735UN proper shipping name:AMINES, LIQUID, CORROSIVE, N.O.S. (Benzene-1,3-Dimethaneamine), 8, IIPrecautions:CorrosiveRequired Labels:8ERG Code (IATA):8LEmS (IMDG):F-A, S-B	white side)			
UN number:UN2735UN proper shipping name:AMINES, LIQUID, CORROSIVE, N.O.S. (Benzene-1,3-Dimethaneamine), 8, IIPrecautions:CorrosiveRequired Labels:8ERG Code (IATA):8LEmS (IMDG):F-A, S-B	UN proper shipping name: Precautions: Required Labels: ERG Code (IATA): EmS (IMDG):	ENVIRONMENTALLY (Bisphenol-A-Epichloro Marine Pollutant 9 9L		
UN proper shipping name:AMINES, LIQUID, CORROSIVE, N.O.S. (Benzene-1,3-Dimethaneamine), 8, IIPrecautions:CorrosiveRequired Labels:8ERG Code (IATA):8LEmS (IMDG):F-A, S-B	her (black side)			
ional Information	UN proper shipping name: Precautions: Required Labels: ERG Code (IATA):	AMINES, LIQUID, COF Corrosive 8 8L	RROSIVE, N.O.S. (Benzene	e-1,3-Dimethaneamine), 8, II
	onal Information			

Check limited quantity regulations prior to shipping, SET-XP cartridges may qualify for LQ shipping exemptions.

Special precautions for user:

Read safety instructions, SDS and emergency procedures before handling.

SET-XP[®] High Strength Anchoring Adhesive for Cracked and Uncracked Concrete SAFETY DATA SHEET

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

This substance/mixture is not intended to be transported in bulk

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.

Regulatory Information					
ates					
Federal Regulations		oduct is a "Hazardous C d, 29 CFR 1910.1200.	Chemical" as de	fined by the OSHA H	lazard Communicatio
TSCA Section 12(b) Expo US. OSHA Specifically Re CERCLA Hazardous Sub Phenol (108-95-2	egulated Substance stance List (40 CFR	s (29 CFR 1910.1001-		gulated. ted.	
1 1161101 (100-33-2	-,				
Superfund Amendments	and Reauthorization	· · ·	Fire	Pressure	Reactivity
Superfund Amendments Hazard Categories:	and Reauthorization	Delayed	Fire No	Pressure	Reactivity
Superfund Amendments	and Reauthorization	· · ·	Fire No No	Pressure No No	Reactivity No No
Superfund Amendments Hazard Categories: Resin Hardener	and Reauthorization Immediate Yes Yes	Delayed Yes	No	No	No
Superfund Amendments Hazard Categories: Resin Hardener SARA 302 Extremely haz	and Reauthorization Immediate Yes Yes ardous substance:	Delayed Yes Yes	No	No	No
Superfund Amendments Hazard Categories: Resin Hardener SARA 302 Extremely haz SARA 311/312 Hazardous	and Reauthorization Immediate Yes Yes ardous substance: s chemical:	Delayed Yes Yes No	No	No	No
Superfund Amendments Hazard Categories: Resin	and Reauthorization Immediate Yes Yes ardous substance: s chemical:	Delayed Yes Yes No	No No	No	No

Phenol (108-95-2)

US State Right-To-Know Lists

Chemical	Massachusetts RTK	New Jersey Work and Community RTK Act	Pennsylvania Worker and Community RTK Law	Rhode Island RTK
Butyl glycidyl ether (CAS 2426-08-6)	Listed		Listed	
Titanium dioxide (CAS 1317-80-2)	Listed		Listed	
m-Phenylenebis(methylamine) (CAS 1477-55-0)	Listed		Listed	
Phenol (CAS 108-95-2)	Listed	Listed	Listed	Listed
Quartz (CAS14808-60-7)	Listed		Listed	

US. California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or reproductive harm.

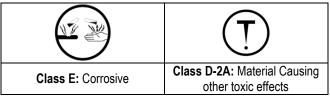
Component	Regulation	% In Blend (approx.)	Remark
Titanium dioxide (CAS 13463-67-7)	ACGIH	1-10	Carcinogenic
Quartz (14808-60-7)	ACGIH	20-30	Carcinogenic
Carbon Black (1333-86-4)	ACGIH	< 0.1	Carcinogenic

Canada

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

${\bf SET-XP}^{\$}$ High Strength Anchoring Adhesive for Cracked and Uncracked Concrete safety data sheet

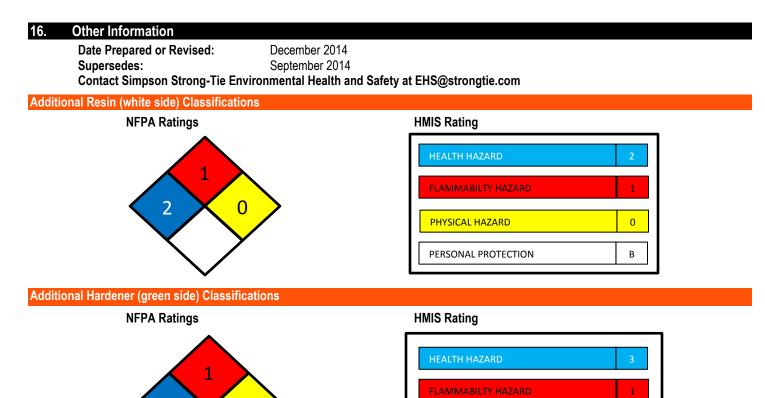
WHMIS Classification



International

International Inventories

Country or Region	Inventory	On Inventory? (Yes/No)
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes



PHYSICAL HAZARD

PERSONAL PROTECTION

ACGIH:

CAS No.:

CERCLA:

Abbreviations

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American Conference of Governmental Industrial Hygienists

Comprehensive Environmental Response, Compensation and Liability Act (U.S. EPA)

Chemical Abstract Service Registry Number

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SET-XP[®] High Strength Anchoring Adhesive for Cracked and Uncracked Concrete SAFETY DATA SHEET

CPR:	Controlled 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
LPP:	Limité Permisible Ponderado (Chile)
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

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.

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Internal

FOR INTERNAL USE ONLY

SET-XP Resin: XCOM3B – 50% Cartridge

SET-XP Hardener: XCOM3B – 50% Cartridge XCORR – 50% Cartridge SIMPSO

Strong-T