

**1. Identification**

**Product Identification**

**Product Identifier:** SET (SET22, SET56, SETPAC10, SETPAC-EZ, SET1.7KTA)  
**Recommended Use:** High Strength Anchoring Adhesive – Epoxy Resin  
**Use Restrictions:** None Known.  
**UN Number:** 3082  
**Proper Shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Aminoethylpiperazine, Nonylphenol), 8, III, Marine Pollutant  
**DG Class:** 8 (9)  
**Packing Group:** III  
**Hazchem Code:** 2X

**Company Identification**

**Company:** Simpson Strong-Tie Australia Pty Limited  
**Address:** Unit 1/16 Kenoma Place  
 Arndell Park, NSW 2148  
 Australia  
**Phone:** +612 9831 7700  
**Website:** www.strongtie.com.au  
**Emergency:** 13 11 26

**Company:** Simpson Strong-Tie New Zealand  
**Address:** 28 Arrenway Drive  
 Albany, Auckland 0632  
 New Zealand  
**Phone:** +64 9 477 4440  
**Website:** www.strongtie.co.nz  
**Emergency:** 0800 POISON (0800 764 766)

**2. Hazard Identification**

**General Information**

SET Anchoring Adhesive is a two part system. The two parts of this product have been assessed according to GHS and are classified below. The final hardened material is considered nonhazardous. Some hazards apply upon grinding or cutting through hardened product.

**Resin (white side) GHS Classification**

**Classification**

**Physical Hazards:** Not Classified.  
**Health Hazards:** Skin Corrosion/Irritation Category 2  
 Serious Eye Damage/Irritation Category 2A  
 Sensitization, Skin Category 1  
 Germ Cell Mutagenicity Category 2  
**Environmental Hazards:** Chronic Aquatic Environmental Hazard Category 2

**Label Elements**



Health Hazard



Exclamation Mark



Environment

**Signal Word:**

**WARNING!**

**Hazard Statements:**

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:**

**Prevention:**

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.

**Response:**

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. Collect Spillage.

**Storage:**

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

**Disposal:**

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

**Hardener (black side) GHS Classification**

**Classification**

<b>Physical Hazards:</b>	Not Classified.	
<b>Health Hazards:</b>	Acute Toxicity, Dermal	Category 4
	Skin Corrosion/Irritation	Category 1
	Serious Eye Damage/Irritation	Category 1
	Sensitization, Skin	Category 1
	Reproductive Toxicity (fertility)	Category 2
<b>Environmental Hazards:</b>	Acute Aquatic Environmental Hazard	Category 1
	Chronic Aquatic Environmental Hazard	Category 2

**Label Elements**



Corrosion



Health Hazard



Exclamation Mark



Environment

**Signal Word:**

**DANGER!**

**Hazard Statements:**

Harmful in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of damaging fertility. May cause damage to organs(nasal cavity) through prolonged or repeated exposure. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

**Prevention:**

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. Do not breathe mist or vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment.

**Response:**

If exposed or concerned: Call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Take off contaminated clothing and wash before reuse. Collect Spillage.

**Storage:**

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

**Disposal:**

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

**Hazards Not Otherwise Classified (HNOC)**

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



Health Hazard

**Health Hazards:**

Carcinogenicity

Category 1A

**Hazard Statements:**

May cause cancer.

**Precautionary Statements:**

Do not breathe dust.

**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 %
Limestone	1317-65-3	30-50
Benzyl Alcohol	100-51-6	10-20
2-Piperazin-1-ylethylamine	140-31-8	5-10
Bisphenol A	80-05-7	5-10
Furfuryl Alcohol	98-00-0	1-5
Nonylphenol	84852-15-3	1-5
Triethylenetetramine	112-24-3	1-5
Benzyl dimethylamine	103-83-3	1-5
Crystalline Silica, Quartz	14808-60-7	< 1

**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. You should call the Poisons Information Center if you feel you may have been harmed, burned, or irritated by this product. The number is 13 11 26 (24hr). Ready access to running water and accessible eyewash is required. 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. 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. Give oxygen or artificial respiration if needed. If patient continues to experience difficulty breathing, **consult a physician.**

**Most Important Symptoms**

Irritant effects. Sensitization. Symptoms include itching, burning, redness and tearing. Corrosive effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause temporary blindness and severe eye damage. May cause allergic skin reaction.

**5. Fire-Fighting Measures**

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

**Unsuitable Extinguishing Media:** None known.

**Fire and Explosion Hazard:** No unusual fire or explosion hazards.

**Hazards during Fire-Fighting:** Hazardous decomposition products may occur when materials polymerize at temperatures above 500°F (260°C). Irritating and toxic gases/fumes may be released during a fire. Water run-off can cause environmental damage. Do not allow run-off from fire-fighting to enter drains or water courses.

**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.

**Hazchem Code:** 3Z (resin) / 2X (hardener)

**Combustion Products:** Carbon dioxide. Carbon monoxide. Nitrogen Oxides. Organic Compounds. Acids.

**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. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

**Clean-Up Methods**

**Small spills:** Wipe up with absorbent material (e.g. cloth, fleece). Place in leak-proof containers. Seal tightly for proper disposal. Clean surface thoroughly to remove residual contamination.

**Large spills:** Stop the flow of material, if this is without risk. Dike far ahead of spill. 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. 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. Prevent further leakage or spillage if safe to do so.

**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. Keep container tightly closed. 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. Store in a well-ventilated place. Store locked up.

**8. Exposure Controls / Personal Protection**

**Exposure Limits**

Component *Skin Designation	Australia Workplace OELs	New Zealand WES	US. ACGIH (TLV)	South Africa R:1179 (1995) OEL-CL
Quartz** (CAS 14808-60-7)	0.1 mg/m <sup>3</sup> (respirable)	0.2 mg/m <sup>3</sup> (respirable)	0.025 mg/m <sup>3</sup> (respirable)	0.4 mg/m <sup>3</sup> (respirable)
Limestone (CAS 1317-65-3)	N/E	N/E	N/E	5 mg/m <sup>3</sup> (respirable) 10 mg/m <sup>3</sup> (total dust)
Furfuryl alcohol* (CAS 98-00-0)	10 ppm	10 ppm	15 ppm (STEL) 10 ppm (TWA)	15 ppm
N-Butyl Glycidyl Ether (CAS 2426-08-6)	25 ppm	25 ppm	3 ppm	25 ppm
Titanium Dioxide (CAS 13463-67-7)	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> (respirable) 10 mg/m <sup>3</sup> (total dust)

\*Skin Designation: Material can be absorbed through the skin.

\*\*After Cure Hazard: After cure hazard, avoid inhalation of dust.

**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.

**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**

<u>Property</u>	<u>Resin</u>	<u>Hardener</u>
<b>Physical State:</b>	Liquid, Paste	Liquid, Paste
<b>Color:</b>	White	Black
<b>Odor:</b>	Sweet	Ammonia
<b>pH:</b>	6.9	10.6
<b>Flammability limit – lower %:</b>	No data	No data
<b>Flammability limit – upper %:</b>	No data	No data
<b>Vapor Pressure:</b>	Non-volatile	No data
<b>Vapor Density:</b>	No data	No data
<b>Solubility:</b>	Insoluble in water	Slightly soluble in water
<b>Freezing/Melting Point:</b>	No data	No data
<b>Boiling Point:</b>	> 500 °F (>260 °C)	No data
<b>Flash Point:</b>	250 °F (121 °C) Open Cup	198 °F (92.2 °C) Open Cup
<b>Evaporation Rate:</b>	No data	No data
<b>Decomposition Temperature:</b>	No data	No data
<b>Specific Gravity:</b>	1.21 at 72°F (22°C)	1.23 at 72°F (22°C)
<b>VOC (after cure):</b>	6 g/L	6 g/L
<b>Kow:</b>	No data	No data
<b>Viscosity:</b>	No data	No data

**10. Stability and Reactivity**

**Resin (white side)**

**Reactivity:** This product is stable and non-reactive under normal conditions.  
**Chemical Stability:** Stable under normal storage conditions.  
**Condition to Avoid:** High heat and open flame.  
**Substances to Avoid:** Oxidizing agents, acids, organic bases, and amines.  
**Hazardous Reactions:** Hazardous polymerization does not occur.  
**Decomposition Products:** Carbon dioxide, carbon monoxide, oxides of nitrogen, and other organic compounds.

**Hardener (black side)**

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

**11. Toxicological Information**

**Likely Routes of Exposure**

**Ingestion:** Ingestion may cause irritation to the gastrointestinal tract.  
**Inhalation:** This material is a viscous liquid to semi-solid which does not easily form vapors. Inhalation of processing dust may irritate the respiratory tract.  
**Skin contact:** Harmful in contact with skin. Causes severe skin burns. Causes skin irritation. May cause an allergic skin reaction.  
**Eye contact:** Causes serious eye irritation. Causes eye burns.

**Information on Toxicological Effects**

**Acute toxicity:** Occupational exposure to the substance or mixture may cause adverse effects.

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Product	Species	Test Result
SET Resin (CAS mixture)	<b>Acute, Dermal</b> , LC50	Rabbit
	<b>Acute, Oral</b> , LD50	Rat
SET Hardener (CAS mixture)	<b>Acute, Oral</b> , LD50	Rat

**Skin corrosion/irritation:** Causes skin irritation. Causes severe skin burns.  
**Eye damage/eye irritation:** Causes serious eye irritation/ damage.  
**Respiratory sensitization:** No data available.  
**Skin sensitization:** May cause an allergic skin reaction.  
**Germ cell mutagenicity:** Contains a component that is suspected of causing genetic defects.  
**Carcinogenicity:** May cause cancer. Both the resin and hardener components of this product contain components that are listed carcinogens. Quartz and Titanium Dioxide are considered carcinogens only in their inhalable form. Due to the nature of this product inhalation is highly unlikely. Exposure to respirable Quartz and Titanium Dioxide is likely only when grinding or cutting cured product, ensure good work practice and use of personal protective equipment as needed to control exposure.  
**IARC Monographs. Overall Evaluation of Carcinogenicity**  
 Quartz (14808-60-7) 1 Carcinogenic to humans.  
 Titanium Dioxide (13463-67-7) 2B Possibly Carcinogenic to humans.  
**NTP Report on Carcinogens**  
 Quartz (14808-60-7) Known to be Human Carcinogen

**Reproductive toxicity:** Suspected of damaging fertility.  
**Aspiration hazard:** No data available.  
**Specific target organ toxicity:**  
**Single exposure** No data available.  
**Repeated exposure** May cause damage to organs (nasal cavity) through prolonged or repeated exposure.

**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 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. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. Avoid release to the environment.

**Supporting Data**

Component	Species	Test Result
SET Resin (CAS mixture)	<b>Aquatic Acute</b> , Algae, EC50	Algae
	<b>Aquatic Acute</b> , Crustacea, EC50	Daphnia Magna
	<b>Aquatic Acute</b> , Fish, LC50	Fish
2-Piperazin-1-ylethylamine (140-31-8)	<b>Aquatic</b> , Fish, LC50	Fathead Minnow
		1950-2460 mg/l, 96 hours
Benzyl alcohol (CAS 100-51-6)	<b>Aquatic</b> , Fish, LC50	Bluegill
		10 mg/l, 96 hours
Nonylphenol (CAS 84852-15-3)	<b>Aquatic</b> , Crustacea, EC50	Clam
	<b>Aquatic</b> , Fish, LC50	Winter Flounder
Bisphenol A (CAS 80-05-7)	<b>Aquatic</b> , Crustacea, EC50	Daphnia
	<b>Aquatic</b> , Fish, LC50	Fathead Minnow
Furfuryl Alcohol (98-00-0)	<b>Aquatic</b> , Fish, LC50	Fathead Minnow
		32 mg/l, 96 hours
benzyl dimethylamine (CAS 103-83-3)	<b>Aquatic</b> , Fish, LC50	Fathead Minnow
		35.8-39.9 mg/l, 96 hours

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**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
Benzyl alcohol (CAS 100-51-6)	1.1
Bisphenol A (CAS 80-05-7)	3.32
Nonylphenol (CAS 84852-15-3)	5.71

**Mobility in soil:** This product is non-volatile.

### Further Information

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

### 13. Disposal 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/international regulations.

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

### 14. Transportation Information

#### Resin (white side)

**UN number:** UN3082  
**UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-Epichlorohydrin), 9, III, Marine Pollutant  
**Transport hazard class(es):** 9  
**Precautions:** Marine Pollutant  
**Packing group:** III  
**Required Labels:** 9  
**Hazard ID (ADG):** D3Z  
**ERG Code (IATA):** 9L  
**EmS (IMDG):** F-A, S-F  
**Hazchem Code:** 2Y

#### Hardener (black side)

**UN number:** UN2735  
**UN proper shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Aminoethylpiperazine, Nonylphenol), 8, III, Marine Pollutant  
**Transport hazard class(es):** 8 (9)  
**Precautions:** Corrosive, Marine Pollutant  
**Packing group:** III  
**Required Labels:** 8  
**Hazard ID:** 2X  
**ERG Code (IATA):** 8L  
**EmS (IMDG):** F-A, S-B  
**Hazchem Code:** 2X

### Additional Information

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

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

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.

**15. Regulatory Information**

**Australian National Regulations**

This SDS was prepared following the Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals from Work Safe Australia. This product has been classified according to the hazard criteria of GHS and contains all of the information required by WHS.

No poisons schedule number was allocated for any Australian Medicines & Poisons Appendix.

**Listing in the Australian Inventory of Chemical Substances**

Chemical	AICS Listing
Butyl Glycidyl Ether (CAS 2426-08-6) <i>Listed as Oxirane, (butoxymethyl)-</i>	Hazardous Substance
Phenol, polymer with formaldehyde, glycidyl ether (CAS 28064-14-4)	Listed
Bisphenol A/Epichlorohydrin Resin (CAS 25068-38-6) <i>Listed as Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane</i>	Hazardous Substance High Volume Industrial Chemicals List (HVICL)
Titanium Dioxide (CAS 13463-67-7) <i>Listed as Titanium Oxide (TiO<sub>2</sub>)</i>	High Volume Industrial Chemicals List (HVICL)
Limestone (CAS 1317-65-3)	High Volume Industrial Chemicals List (HVICL)
Benzyl Alcohol (CAS 100-51-6) <i>Listed as Benzenemethanol</i>	Hazardous Substance International Programme on Chemical Safety (IPCS) – SIDS High Volume Industrial Chemicals List (HVICL)
2-Piperazin-1-ylethylamine (CAS 140-31-8) <i>Listed as 1-Piperazineethanamine</i>	Hazardous Substance
Bisphenol A (CAS 80-05-7) <i>Listed as Phenol, 4,4'-(1-methylethylidene)bis-</i>	Hazardous Substance High Volume Industrial Chemicals List (HVICL)
Furfuryl Alcohol (CAS 98-00-0) <i>Listed as 2-Furanmethanol</i>	Hazardous Substance
Nonylphenol (CAS 84852-15-3) <i>Listed as Phenol, 4-nonyl-, branched</i>	Hazardous Substance
Triethylenetetramine (CAS 112-24-3) <i>Listed as 1,2-Ethanediamine, N,N'-bis(2-aminoethyl)-</i>	Hazardous Substance International Programme on Chemical Safety (IPCS) – SIDS NICNAS PEC Candidate Chemical
Benzyl dimethylamine (CAS 103-83-3) <i>Listed as Benzenemethanamine, N,N-dimethyl-</i>	Hazardous Substance
Crystalline Silica, Quartz (CAS 14808-60-7)	Hazardous Substance International Program on Chemical Safety (IPCS) – CICAD High Volume Industrial Chemicals List (HVICL)

**New Zealand National Regulations**

New Zealand Code of Practice for the Preparation of Safety Data Sheets (SDS) [No. HSNO CoP 8-1 09-06].  
Classified as hazardous according to the Hazardous Substances (minimum Degrees of Hazard) Regulations 2001.

**HSNO: RESIN: 6.3A Skin Corrosion/Irritation; 6.4A Eye Corrosion/Irritation; 6.5B Skin Sensitization; 6.6B Germ Cell Mutagenicity; 9.1B Aquatic Toxicity (Chronic). HARDENER: 6.1D Acute Toxicity (Dermal); 8.2B Skin Corrosion/Irritation; 8.3A Eye Corrosion/Irritation; 6.5B Skin Sensitization; 6.8B Reproductive Toxicity; 9.1A Aquatic Toxicity (Acute); 9.1B Aquatic Toxicity (Chronic).**

**New Zealand Inventory of Chemicals (NZIoC)**

Chemical	Registration Status
Butyl Glycidyl Ether (CAS 2426-08-6) <i>Listed as Oxirane, (butoxymethyl)-</i>	HSNO Approved (HSR002921)
Phenol, polymer with formaldehyde, glycidyl ether (CAS 28064-14-4)	May be used as a single component chemical under an appropriate group standard.



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Bisphenol A/Epichlorohydrin Resin (CAS 25068-38-6) <i>Listed as Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane</i>	HSNO Approved (HSR003180)
Titanium Dioxide (CAS 13463-67-7) <i>Listed as Titanium Oxide (TiO<sub>2</sub>)</i>	May be used as a single component chemical under an appropriate group standard.
Limestone (CAS 1317-65-3)	May be used as a single component chemical under an appropriate group standard.
Benzyl Alcohol (CAS 100-51-6) <i>Listed as Benzenemethanol</i>	HSNO Approved (HSR001039)
2-Piperazin-1-ylethylamine (CAS 140-31-8) <i>Listed as 1-Piperazineethanamine</i>	HSNO Approved (HSR004013)
Bisphenol A (CAS 80-05-7) <i>Listed as Phenol, 4,4'-(1-methylethylidene)bis-</i>	HSNO Approved (HSR003399)
Furfuryl Alcohol (CAS 98-00-0) <i>Listed as 2-Furanmethanol</i>	HSNO Approved (HSR002998)
Nonylphenol (CAS 84852-15-3) <i>Listed as Phenol, 4-nonyl-, branched</i>	HSNO Approved (HSR003846)
Triethylenetetramine (CAS 112-24-3) <i>Listed as 1,2-Ethanediamine, N,N'-bis(2-aminoethyl)-</i>	HSNO Approved (HSR003570)
Benzyl dimethylamine (CAS 103-83-3) <i>Listed as Benzenemethanamine, N,N-dimethyl-</i>	HSNO Approved (HSR004576)
Crystalline Silica, Quartz (CAS 14808-60-7)	HSNO Approved (HSR003125)

**South Africa National Regulations**

Simpson Strong-Tie South Africa is a subsidiary of Simpson Strong-Tie Australia and relies on the parent company to support many of the services it provides, one of these services is Safety Data Sheets (SDS). This SDS contains all of the relevant information required for the South African market, with the exception of the following information.

Local contact information for South African Poisons Centre – Phone: 0219 316129 or 021 6895227

Local Contact for Simpson Strong-Tie who has access to the SDS sheets - Houston Hank – Phone: 0873 540629

**REGISTERED OFFICE:** Unit 5, Fairway Business Park, Stibitz Street  
Westlake Business Park, Westlake 7945  
Cape Town, Western Province

**POSTAL ADDRESS:** PO Box 281 Bergvliet 7864

**PHONE:** 0873540629

**DIRECTORS:** Michael Herbert & Herbert Kuhn

**REGISTRATION #:** 2012/052288/07

**VAT #:** 4190262362

**South African Safety, Health, and Environmental regulations specific for this product:**

Hazardous Substances Act of 1973 (Act No. 15 of 1973): Not listed.

**International**

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

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

**International Inventories**

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	Toxic Substances Control Act (TSCA) Inventory	Yes

**16. Other Information**

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**Abbreviations**

**ACGIH:** American Conference of Governmental Industrial Hygienists  
**AICS:** Australian Inventory of Chemical Substances  
**CAS No.:** Chemical Abstract Service Registry Number  
**ES:** Exposure Standard  
**GHS:** Globally Harmonized System of Classification and Labeling of Chemicals  
**HazChem Code:** Emergency action code of numbers and letters that provide information to emergency services.  
**HEPA:** High-Efficiency Particulate Air  
**HSNO:** Hazardous Substances and New Organisms Act (New Zealand)  
**IARC:** International Agency for Research on Cancer  
**IATA:** International Air Transport Association  
**IMDG:** International Maritime Dangerous Goods code  
**Kow:** Octanol-Water Partition Coefficient  
**NIOSH:** National Institute of Occupational Safety and Health (U.S.)  
**NZIoC:** New Zealand Inventory of Chemicals  
**OELs:** Occupational Exposure Limits  
**PEL:** Permissible Exposure Limit  
**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)  
**VOC:** Volatile Organic Compounds  
**WELs:** Workplace Exposure Limits

**Disclaimer**

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