


1. Product Identification

Product name	Quick Cure - 5 Adhesive Part B
SDS Number	1000B00
Product type	Mercaptan/Amine polymer mixture
Recommended use of the chemical and restrictions on use	Directed at, but not limited to, the adhesion of wood, similar and dissimilar substrates.
Restrictions	None known.
Manufacturer/Supplier information	
Company name	SYSTEM THREE RESINS, INC.
Address	8517 Commerce Place Dr NE Lacey, WA 98516 United States
Telephone	1-253-333-8118
Website	www.systemthree.com
Email	support@systemthree.com
Emergency Contact	CHEMTEL (U.S. and CANADA) 1-800-704-9215 CHEMTEL (Outside the U.S.) – Call collect accepted +1-360-256-7365

2. Hazard(s) Identification

Classification of substance or mixture/Signal Word	WARNING Skin Irritation – Category 2 Serious Eye Damage – Category 1 Skin Sensitization – Category 1
<u>GHS Label Elements</u> Hazard Pictograms	
Hazard Statements/Classification of substance or mixture	H312 Harmful in contact with skin. H317 May cause an allergic skin reaction. H318 Causes serious eye damage.
Precautionary statements	
<u>Precautionary Statements</u> Prevention	P202 Do not handle until all safety precautions have been read and understood. P264 Wash hands thoroughly after handling. P270 Do not eat, drink, or smoke when using this product. P280 Wear protective clothing, gloves, eye, and face protection.
Response	P301+P330+P314 IF SWALLOWED: Rinse mouth and get medical attention if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes and remove contacts if present and easy to do so. Continue rinsing.

Storage	P337+P313 IF EYE IRRITATION PERSISTS: Get medical attention.
Disposal	P362+P364 Take off contaminated clothing and wash it before reuse.
	P401 Store above 32 °F / 0 °C
	P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards not otherwise classified (HNOC)	None Available.

3. Composition/Information On Ingredients

Chemical Name	CAS Number	Content (%)
Polymercaptan Resin	Trade Secret	80 - 100 %
Phenol, 2,4,6-Tris((dimethylamino)methyl)-	90-72-2	1-10%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

4. First-Aid Measures

Skin contact	Remove contaminated clothing and shoes and wipe excess off skin. Flush skin with water. Follow by washing in soap and water. If irritation occurs, seek medical attention. Do not reuse clothing until cleaned. Contaminated leather articles (shoes) cannot be decontaminated and should be destroyed.
Eye contact	Flush with water for 15 minutes holding eye lids open. Remove contacts if present and easy to do so. Seek medical attention, if irritation or symptoms of overexposure persist.
Ingestion	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Turn victim's head to the side.
Inhalation	Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours.
Specific treatments	No specific treatment.

5. Fire-Fighting Measures

Suitable extinguishing media	Alcohol-resistant foam, Carbon dioxide (CO ₂), Dry chemical, Water Fog
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Potential skin irritation.
Hazardous decomposition products	Decomposition products may include the following materials: Carbon dioxide Carbon monoxide Nitrogen oxides
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	Avoid contact with skin. A face shield should be worn. Use personal protective equipment. Wear self-contained breathing apparatus for fighting if necessary.

Further information

Do not allow run-off from firefighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental Release Measures

Personal precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Wear proper protective clothing, gloves and eye/face protection.

Emergency procedures

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

Methods and materials for containment/cleanup

Contain spills with an inert absorbent material such as soil or sand. Prevent from spreading by covering, diking or other means. Provide ventilation.

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

7. Handling and Storage

Precautions for safe handling

Always wear protective, disposable gloves when handling epoxy products to prevent exposure. Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.

Precautions/Recommendations for safe/proper storage

Store epoxy products in temperature stable environment, out of the reach of pets or children. Securely fasten container lids and tops, and prevent products from sitting and below freezing temperatures.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits

None established.

Appropriate engineering controls

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Do not allow spill to enter sewers or waterways.

Individual protection measures/Personal protective equipment**Eye/face protection**

Splash-proof goggles or safety spectacles with side shields are recommended. Always wear eye protection when sanding cured epoxy resins to avoid dust in eyes.

Hand protection

Always wear impervious gloves: butyl rubber, nitrile rubber, Neoprene, PVC disposable gloves,

Skin protection

Wear clean, body-covering clothing to avoid skin contact.

Respiratory protection

Use a NIOSH approved respiratory device when sanding cured epoxy to prevent dust in lungs.

Special instructions for protection and hygiene

Wear gloves at all times when handling product, avoid direct contact with skin. When finished using product, dispose of gloves properly and wash hands with warm, soapy water.

9. Physical and Chemical Properties

Chemical family	Mercaptan/Amine curing agent
Appearance	Straw-colored viscous liquid
Physical State	Amine mixture
Form	Liquid
Color	Clear straw-colored
Odor	Sulfur like
Density (Specific Gravity)	9.5-9.7 lb/gal (1.1-1.2)
Viscosity	8,000-12,000 cps @ 25°C
pH	N/A
Melting point/freezing point	N/A
Initial boiling point and boiling range	N/A
Flash point	>250°F, Pensky-Martens Closed Cup
Evaporation rate	Slower than ether
Flammability (solid, gas)	N/A
Upper/lower flammability limit (by volume)	N/A
Upper flammability limit (by volume)	N/A
Lower flammability limit (by volume)	N/A
Material VOC	None
Vapor density	Heavier than air
Relative density	Not determined
Solubility in water	Negligible
Partition coefficient: n-octanol/water	N/A
Auto-ignition temperature	N/A
Decomposition temperature	N/A

10. Stability and Reactivity

Reactivity	No specific test data related to reactivity available for this product.
Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Epoxy resins and epoxy resin hardeners react with each other producing heat. They should not be mixed with each other under uncontrolled conditions or in large mass as the ensuing exotherm may result in heat and smoke, resulting in hazardous decomposition products.
Incompatible materials	Reactive or incompatible with the following materials: Mineral acids

	Strong oxidizing agents Lewis acids
Hazardous decomposition products	Oxides of carbon, aldehydes, acids.
Other hazards	None known.

11. Toxicological Information

Acute Health Hazard (components) No comprehensive data (ingestion, inhalation, dermal) on mixture (product).

Component	Result	Species	Dose	Exposure
Phenol, 2,4,6-Tris((dimethylamino)methyl)-	LD50 Oral	Rat	2,169 mg/kg	-

Irritation/Corrosion (components) Classifies as a skin irritant per negative Corrositex Dermal Testing results. Classifies as an eye corrosive using the bridging principles for the classification of mixtures.

Component	Result	Species	Test	Exposure
Phenol, 2,4,6-Tris((dimethylamino)methyl)-	Skin – Corrosive	Rabbit	OECD 404 Acute Dermal Irritation/Corrosion	-
	Eyes – Severe Irritation	Rabbit	OECD 405 Acute Eye Irritation/Corrosion	-

Sensitization No information on product itself.

Mutagenicity No information on product itself.

Carcinogenicity No information on product itself.

Reproductive Toxicity No information on product itself.

Teratogenicity No information on product itself.

Specific target organ toxicity (single exposure) No information on product itself.

Specific target organ toxicity (repeated exposure) Not available.

Aspiration hazard Not available.

Potential acute health effects

Eye Contact	Causes eye burns.
Inhalation	Not available.
Skin Contact	Causes skin irritation.
Ingestion	Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Eye Contact	Not available.
Inhalation	Not available.
Skin Contact	Not available.
Ingestion	Not available.

Delayed and immediate effects and also chronic effects from short and long term exposure Not available.

Potential chronic health effects Not available.

General	May cause sensitization by skin contact.
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Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates (ATEmix)

Route	ATE value
Oral	N/A
Dermal	N/A
Inhalation (vapors)	N/A

12. Ecological Information

Ecotoxicity No information on product itself.

Component	Test	Endpoint	Exposure	Species	Result
2,4,6-tris(dimethylaminomethyl)phenol	201 Alga, Growth Inhibition Test	Acute EC50	72 hr	Aquatic plants – Green Algae	84 mg/l

Persistence and degradability No information on product itself.

Bioaccumulative Potential No information on product itself.

Mobility in Soil

Soil/water partition coefficient (KOC) No information on product itself.

Other adverse effects No known significant effects or critical hazards.

13. Disposal Considerations

Waste from residues/ unused products The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Product should not be allowed to enter drains, water courses or the soil; dispose of this material and its containers in a safe way. Contact supplier if guidance is required.

Contaminated packaging Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

International Transport Regulations

Regulatory information	UN/NA number	Proper Shipping Name	Classes/*PG	Additional Information
DOT		Non-regulated		

TDG		Non-regulated	
IMO/IMDG		Non-regulated	
IATA	UN3334	AVIATION REGULATED LIQUID, N.O.S. (Mercaptan-terminated polymer)	Class 9 III
*PG: Packing group			
Special precautions for user:	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.		

15. Regulatory Information

UNITED STATES

U.S. Federal Regulations	United States – TSCA 12(b) – Chemical export notification: None Required. United States – TSCA 5(a)2 – Final significant new use rules: Not Listed. United States – TSCA 5(a)2 – Proposed significant new use rules: Not Listed. United States – TSCA 5(e) – Substance consent order: Not listed.
Clean Air Act – Ozone Depleting Substances (ODS)	This product does not contain nor is it manufactured with ozone depleting substances.
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	This product does not contain nor is it manufactured with hazardous air pollutants.
California Prop. 65	This product does not contain chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.
EPA SARA 302 Extremely Hazardous Substances	None Required
EPA SARA 302/304/311/312 Hazardous Chemicals	Acute Health Hazard
SARA 313	None Required
Form R – Reporting requirements	None Required
CERCLA Hazardous substances	None Required
United States inventory (TSCA 8b)	All components are listed or exempted.

CANADA

WHMIS (Canada)	Class D-2B: Material causing other toxic effects (Toxic).
Canadian NPRI	None Required
CEPA Toxic substances	None Required

INTERNATIONAL REGULATIONS

International Lists	Australia inventory (AICS): All components are listed or exempted. Canada inventory: All components are listed or exempted. Korea inventory: All components are listed or exempted. Japan inventory: All components are listed or exempted. China inventory (IECSC): All components are listed or exempted. New Zealand inventory (NZIoC): All components are listed or exempted. Philippines inventory (PICCS): All components are listed or exempted. Taiwan inventory (CSNN): All components are listed or exempted.
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16. Other Information, Including Date of Preparation or Last Revision

HMIS Rating

Health 2
Flammability 1
Physical Hazard 0

Date of Preparation	January 9, 2020
Date of Last Revision	September 24, 2019
Revision #	5.0
More Information	1-253-333-8118
Prepared by	System Three Resins Inc.

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