SAFETY DATA SHEET

1. Product Identification

Product name	SilverTip® Slow Hardener Part B
SDS Number	0901B
Product type	Curing Agent
Manufacturer/Supplier information	
Company name	SYSTEM THREE RESINS, INC.
Address	3500 W. Valley Hwy, Suite Suite 105 Auburn, WA 98991-2436 United States
Telephone	1-253-333-8118
Website	www.systemthree.com
Email	support-08@systemthree.com
Emergency Contact	CHEMTREC (U.S. and CANADA) 1-800-424-9300 CHEMTREC (Outside the U.S.) 1-703-527-0585

2. Hazard(s) Identification

Classification of substance or mixture/Signal Word DANGER

GHS Label Elements

Hazard Pictograms

Hazard Statements/Classification of substance or mixture

H302 Harmful if swallowed
H314 Corrosive to skin
H315 May cause sensitization by skin contact.
H361fd Respiratory irritant
H400 Acute Hazard to aquatic life
H410 Chronic hazard to aquatic life

Precautionary statements

Precautionary Statements Prevention

P280 Wear protective gloves. Wear eye or face protection.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.

Response P308 + P313 If exposed or concerned: Get medical attention.

Storage P401 Store at room temperature in a well ventilated area.

Disposal P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.

3. Composition/Information On Ingredients

Chemical Name	CAS Number	Content (%)
Aliphatic Amine Mixture	Trade Secret	70 – 80%
Alkyl Phenol Mixture	Trade Secret	15 – 20%
Benzyl Alcohol	100-51-6	10– 15%

4. First-Aid Measures

General advice
Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

Skin contact
Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Flush immediately with copious amounts of water. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing.

Eye contact
Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical attention. If medical care is not promptly available, continue to irrigate for one hour.

Ingestion
Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side

Inhalation
Move to fresh air.

5. Fire-Fighting Measures

Suitable extinguishing media
Alcohol-resistant foam.
Carbon dioxide (CO_2).
Dry chemical
Water Fog

Specific hazards arising from the chemical
Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

Special protective equipment and precautions for fire-fighters

Fire-fighting equipment/instructions
Avoid contact with skin. A face shield should be worn. Use personal protective equipment. Wear self-contained breathing apparatus for firefighting 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	Wear proper protective clothing, gloves and eye/face protection. Use selfcontained breathing apparatus and chemically protective clothing.
Emergency procedures	Use appropriate containment to avoid environmental contamination. Do not allow spill to enter into sewers or waterways. Construct a dike to prevent spreading.
Methods and materials for containment/cleanup	Stop spill at source, dike area to prevent spreading, place in proper waste container. Contact Chemtrec for further instruction. Approach suspected leak areas with caution.
Environmental precautions	Use appropriate containment to avoid environmental contamination. Do not allow spill to enter into sewers or waterways.

7. Handling And Storage

Precautions for safe handling	Avoid contact with skin and eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use personal protective equipment. When using, do not eat, drink or smoke.
Precautions/Recommendations for safe/proper storage	Do not store near acids. Keep containers tightly closed in a dry, cool and wellventilated place. Keep from freezing.

8. Exposure Controls/Personal Protection

Engineering controls	Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.
Individual protection measures/Personal protective equipment	
Eye/face protection	Splash-safe glasses
Hand protection	Butyl-rubber, Nitrile rubber, Neoprene Gloves, PVC disposable gloves, Impervious gloves.
Skin protection	Impervious clothing, Full rubber suit (rain gear), Rubber or plastic boots, Slicker suit.
Environmental exposure controls	Use appropriate containment to avoid environmental contamination. Do not allow spill to enter sewers or waterways.
Special instructions for protection and hygiene	Discard contaminated leather articles. Remove contaminated clothing. Wash at the end of each work shift and before eating smoking or using the toilet. Provide readily accessible eye wash stations and safety showers.

9. Physical And Chemical Properti

Chemical family	Amine Curing Agent
Appearance	Clear liquid
Physical State	Amine mixture
Form	Liquid

Color	Colorless
Odor	Ammoniacal
Relative density	0.9 – 1.0
Viscosity	525 cps at 77 °F (25 °C)
pH	Alkaline
Initial boiling point and boiling range	NA
Flash point	NA
Vapor pressure	NA

10. Stability And Reactivity

Chemical Stability	Stable under normal conditions.
Incompatible materials	Organic acids (i.e. acetic acid, citric acid, etc.). Mineral acids. Sodium hypochlorite. Oxidizing agents.
Hazardous decomposition products	Nitric acid Ammonia Aldehydes Nitrogen oxides (NO_x) Nitrogen oxide can react with water vapors to form corrosive nitric acid. Carbon monoxide. Carbon dioxide (CO_2).

11. Toxicological Information

Acute Health Hazard (components)

*No comprehensive data (ingestion, inhalation, dermal) on mixture (product).

Sensitization	May cause sensitization of susceptible persons by skin contact.
Chronic Health Hazard	Aquatic

12. Ecological Information

Ecotoxicity

Aquatic toxicity	No data on the product itself.
Alkyl Phenols	Aquatic Acute 1: 2.5 =< C < 25% Aquatic Chronic 1: 2.5 =< C < 25%
Persistence and degradability	No data on product itself.

13. Disposal Considerations

Waste from residues/ unused products	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

DOT

UN/ID No.	UN2735
Proper shipping name	Amines, liquid, corrosive, n.o.s., (4,4'-Methylenebiscyclohexanamine, Methylimidazole, 1-).
Class or Division	8
Packing group	III
Label(s)	8
Marine Pollutant	Yes

IATA

UN/ID No.	UN2735
Proper shipping name	Amines, liquid, corrosive, n.o.s., (Ethyleneamine). 8
Class or Division	III
Packing group	8
Label(s)	Yes
Marine Pollutant	
Note**	This product contains a substance that: 1) is regulated as a Marine Pollutant, or 2) meets the definitely of toxic to the aquatic environment. For more information contact System Three technical support.

IMDG

UN/ID No.	UN2735
Proper shipping name	Amines, liquid, corrosive, n.o.s., (Ethyleneamine). 8
Class or Division	III
Packing group	8
Label(s)	Yes
Marine Pollutant	
Note**	This product contains a substance that: 1) is regulated as a Marine Pollutant, or 2) meets the definitely of toxic to the aquatic environment. For more information contact System Three technical support

TDG

UN/ID No.	UN2735
Proper shipping name	Amines, liquid, corrosive, n.o.s., (Ethyleneamine). 8
Class or Division	III
Packing group	8
Label(s)	No
Marine Pollutant	
Note**	This product contains a substance that: 1) is regulated as a Marine Pollutant, or 2) meets the definition of toxic to the aquatic environment. For more information contact System Three technical support

Further Information	The transportation information is not intended to convey all specific regulatory data relating to this material. For complete transportation information, contact System Three technical support.

15. Regulatory Information

UNITED STATES

Toxic Substance Control Act (TSCA) 12(b) – Components: None.

OSHA Hazard Communication Standard (29 CFR 1910.1 200) Hazard Classes: Corrosive. Sensitizer.

California Prop. 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other harm.

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification: None

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level: None.

WHMIS Hazard Classification: Class E Corrosive Material.

INTERNATIONAL REGULATIONS

International Lists	**USA inventory (TSCA 8b):** Included on inventory **EU (EINECS):** Included on EINECS inventory or polymer substance, monomers **Australia inventory (AICS):** Included on inventory **Canada inventory (DSL):** Included on inventory **Japan inventory (ENCS):** Included on inventory **China inventory (IECSC):** Included on inventory **South Korea inventory (ECL):** Included on inventory

16. Other Information, Including Date Of Preparation Or Last Revision

HMIS Rating	
Health	3
Flammability	1
Physical Hazard	0
Date of Preparation	March 26, 2015
More Information	1-253-333-8118
Prepared By	W. Smoot, System Three Resins Inc.