

1. Product Identification

Product name	SilverTip [®] Fast Hardener Part B	
SDS Number	0900B	
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 Amines	Trade Secret	60 – 70%
Alkyl Phenols	Trade Secret	15 – 20%
Benzyl Alcohol	100-51-6	15 – 20%
Aromatic Amine	1477-55-0	5 – 10%

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 self-contained 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 well-ventilated 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 Properties

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 (CO₂).

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., (Ethyleneamine).

8

Class or Division

II

Packing group

8

Label(s)	Yes
Marine Pollutant	
IATA	
UN/ID No.	UN2735
Proper shipping name	Amines, liquid, corrosive, n.o.s., (Ethyleneamine).
	8
Class or Division	II
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 definition 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	II
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 definition 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	II
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: 4-Nonylphenol, branched, CAS No. 84852-15-3, 10-20% by weight

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 January 13, 2016

More Information 1-253-333-8118

Prepared By J. Bartlett, System Three Resins Inc.