



MATERIAL SAFETY DATA SHEET STRONG STEEL STICK

Renewal Composite

Revision: 3

Revision Date: 10/21/08

Supercedes: 1/31/03

Section 1 – Identification

Product Name:	Strong Steel Stick Renewal Composite
Part Number:	60159, C60159
Chemical Name:	Filled Epoxy resin
Product Use:	A hand kneadable, ready to use stick designed for stopping leaks and permanently fill holes in metal, concrete, wood, fiberglass, and ceramics.
Manufacturer Information:	LPS Laboratories, 4647 Hugh Howell Rd., Tucker, GA, USA 30084
TEL:	1 770-243-8800
Emergency Telephone Number:	1-800-424-9300 Chemtrec; Outside U.S.: (703) 527-3887
FAX:	1 770-243-8899
Website:	http://www.lpslabs.com

PLAIN LANGUAGE HAZARD SUMMARY

Material Safety Data Sheets can be confusing. Federal and State laws require us to include a great deal of technical information that probably won't help the non-professional. LPS includes this "PLAIN LANGUAGE HAZARD SUMMARY" to address the questions and concerns of the average worker. If you have additional health, safety or product questions, don't hesitate to call us at 800/241-8334.

Worker Toxicity

Strong Steel Stick Renewal Composite is a hand kneadable, ready to use stick for fast emergency repairs. It is a gray and black putty stick with a sulfur odor. This product may cause eye and/or skin irritation, it is good practice to use appropriate eye protection while machining the cured product. It is also recommended to use chemically resistant gloves while kneading. Do not ingest. For more exposure and first aid information, refer to MSDS Sections 2, 8 and 11.

Flammability

Strong Steel Stick Renewal Composite is non-flammable; however, if ignited, irritating gases may be produced. See sections 5 for more information.

Disposal

Dispose of in accordance with local, state, provincial and federal regulations. See section 13 for more details.



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Section 2 – Hazards identification

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Emergency Overview: CAUTION: Irritating to eyes and skin.

Primary route(s) of entry: Skin and Eye contact.

Potential Acute Health Effects:

Eyes: Irritating to eyes. This product is an inert solid. If product gets in eye, irritation may result similar to that of any foreign object in eye.

Skin: Possibly an irritant and skin sensitizer.

Inhalation: None.

Ingestion: Product has a low order of acute oral toxicity, but ingestion may cause gastrointestinal irritation.

Potential Chronic Health Effects:

Carcinogenic Effects: NTP: No OSHA: No ACGIH: No

Mutagenic Effects: None

Teratogenic Effects: None

Medical conditions aggravated by exposure: Dermatitis and eczema.

Signs and Symptoms

Symptoms include, stinging, tearing, redness, and swelling of eyes. Repeated or prolonged skin contact can cause skin dryness or cracking. If ingested, symptoms include cough and irritation.

Section 3 – Composition / Information on Ingredients

Component	CASRN	Weight Percent
Glycidyl Ethers of Bisphenol A Resins	25068-38-6	10-30%
Crystalline Silica	14808-60-7	1-5%
Tri (dimethylaminomethyl) phenol	90-72-2	0.5-1.5%



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Section 4 – First Aid Measures

- Eyes:** Remove as one would any foreign object. If irritation persists seek medical attention.
- Skin:** Remove contaminated shoes and clothing. Clean affected area thoroughly with mild soap and water. Do not use ointments. Seek medical attention if irritation persists.
- Inhalation:** Not applicable.
- Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention immediately.

Section 5 – Fire Fighting Measures

Products of Combustion: Carbon monoxides, aldehydes, acids, oxides of sulfur and nitrogen.

Firefighting media: Extinguish with water spray, dry chemical, or foam. Firefighting personnel required to use respiratory and eye protection.

Sensitivity to Impact: None.

Sensitivity to Static Discharge: None.

Protection Clothing (Fire): Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

Section 6 – Accidental Release Measures

- Containment Procedures** Land Spill: Recover free product and place in suitable container for disposal. Observe local, state, and federal regulations.
- Water Spill: Recover solid from water for solid waste disposal.
- Clean-Up Procedures** Recover free product and place in suitable container for disposal.
- Evacuation Procedures** None.
- Special Procedures** Wear appropriate protective equipment during cleanup.

Section 7 – Handling and Storage

Handling: Do not allow material to come into contact with eyes. Wear appropriate protective equipment during handling. Wash thoroughly after handling.

Storage: Keep in original container. Store at room temperature.



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Section 8 – Exposure Controls / Personal Protection

Component	CASRN	OSHA TWA-PEL	OSHA STEL	ACGIH- TLV	ACGIH- STEL	NIOSH REL
Glycidyl Ethers of Bisphenol A Resins	25068-38-6	Not Established	Not Established	Not Established	Not Established	Not Established
Crystalline Silica	14808-60-7	10 mg/m ³ respirable dust	Not Established	0.05 mg/m ³ respirable dust	Not Established	10 mg/m ³ respirable dust 10H CA TWA
Tri (dimethylaminomethyl) phenol	90-72-2	Not Established	Not Established	5 ppm	Not Established	Not Established

Engineering measures

Normal room ventilation is usually adequate. If necessary, use appropriate general and/or local exhaust ventilation to keep exposures below the exposure guidelines above.

Personal protective equipment

Eye protection

If machining the cured product, it is recommended to wear dust-proof goggles.

Hand protection

Use chemical resistant gloves (i.e., neoprene, rubber latex, or butyl glove) conforming to appropriate regulations. Please observe the instructions regarding permeability and breakthrough time that are provided by the supplier of the gloves.

Respiratory protection

Typical use of this product under normal conditions does not require the use of respiratory protection.

General Hygiene Considerations

Wash thoroughly after handling. Have eye-wash facilities immediately available.



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Section 9 – Physical and Chemical Properties

Appearance:	Viscous Paste	Color:	Gray
Odor/Taste:	Sulphurous	Evaporation Rate:	Not Applicable
Solubility Description:	Insoluble	Flash Point:	None
Odor Threshold:	Not Determined	Decomposition Temperature:	> 200°C (392°F)
Boiling Point:	Not Applicable	Flash Point Method:	TCC
Specific Gravity (Water=1):	2.18	Auto Ignition Temperature (°C):	Not Determined
Vapor Density (air=1):	Non-Volatile	Partition Coefficient (octanol/water):	Not Applicable
Vapor Pressure:	0.79 mmHg	Volatiles:	<1%
pH:	Not applicable	Viscosity:	Not Applicable
Flammable limits (estimated):	LOWER: None UPPER: None	Melting Point (°C):	Not Determined

Section 10 – Chemical Stability and Reactivity

Chemical Stability:	Product is stable under recommended storage conditions.
Conditions to Avoid:	Keep away from open flames, hot surfaces and ignition sources.
Incompatibility:	Strong oxidizing agents. Amines.
Hazardous Decomposition:	These products are carbon monoxides, aldehydes, acids, oxides of sulfur and nitrogen.
Hazardous Polymerization:	Will not occur.

Section 11 – Toxicological Information

A: General Product Information

LD50/dermal/rabbit >13700 mg/kg

B: Component Analysis

Component	CASRN	LC-50	LD-50
Glycidyl Ethers of Bisphenol A Resins	25068-38-6	Not Established	5000 mg/kg/oral/rat 20000mg/kg/dermal/rabbit
Crystalline Silica	14808-60-7	Not Established	Not Established
Tri (dimethylaminomethyl) phenol	90-72-2	Not Established	1630mg/kg/oral/rat



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Section 12 – Ecological Information

Mobility:	Unknown	Persistence and degradability:	Not readily biodegradable.
Bioaccumulative potential:	Unknown	Other adverse effects:	Harmful to the aquatic environment. May cause long-term adverse effects in the aquatic environment.

Section 13 – Disposal Considerations

Waste Status:	None.
Disposal:	Waste must be disposed of in accordance with national, state, provincial, federal, regional and local environmental control regulations.
Note:	Chemical additions to, processing of, or otherwise altering this material may make this waste management information inaccurate, incomplete, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive than federal laws and regulations.

Section 14 – Transportation Information

Not regulated by any mode of transportation.

Section 15 – Regulatory Information

U.S. Federal Regulations

RCRA Hazardous Waste No.: None

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): None.

Toxic Substances Control Act (TSCA):

All components of this product are TSCA inventory listed and/or are exempt.

Superfund Amendments and Reauthorization Act (SARA) Title III

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372): No individual section 313 component is present at or above 1%

Section 112 Hazardous Air Pollutants (HAPs): None



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State Regulations

New Jersey RTK:

Magnesium Silicate Hydrate 14807-96-6 • Iron / Silicon / Titanium / Aluminum Alloy 7439-89-6 •
Sodium Calcium Magnesium Silicate 65997-17-3 • Glycidyl Ethers of Bisphenol A Resins 25068-38-6 •
Nypheleine Syenite 37244-96-5

California: This product does not contain chemical(s) known to the State of California to cause cancer, birth defects or reproductive harm.

California and OTC States: This product is not regulated consumer regulations.

International Regulations

Canadian Environmental Protection Act: All of the components of this product are included on the Canadian Domestic Substances list (DSL).

Canadian Workplace Hazardous Materials Information System (WHMIS):

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification:

Class D2B



Other Regulations

Montreal Protocol listed ingredients: None.
Stockholm Convention listed ingredients: None.
Rotterdam Convention listed ingredients: None.
RoHS Compliant: Yes.

Section 16 • Other Information

MSDS# 60159 Responsible Name: Clea Johnson Regulatory Affairs Coordinator	HMIS 1996		HMIS III		NFPA Flammability Health Reactivity
	Health:	1	Health:	[/]1	
	Flammability:	1	Flammability:	1	
	Reactivity	0	Physical Hazard:	0	

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Clea Johnson, Regulatory Affairs Coordinator
LPS Laboratories, A division of Illinois Tool Works