

SAFETY DATA SHEET

SURE-SET™ PE part B

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

Product identifier

Product name SURE-SET™ PE part B

Recommended use of the chemical and restrictions on use

Application Two component epoxy based adhesive. Hardener.

Details of the supplier of the safety data sheet

Supplier Aerosmith Fastening System
5621 Dividend Road,
Indianapolis, Indiana 46241
Tel: 800.528.8183
Fax: 317.390.6980
email: info@aerosmithfastening.com
www.aerosmithfastening.com

Web	Contact Person:	Chemtrec:
Contact Person	Emergency telephone number	Chemtrec: 1-800-424-9300 (Within Continental (USA));
Emergency telephone number	Emergency telephone	Chemtrec: 703-527-3887 (Outside USA).

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 2 - H361 STOT RE 1 - H372

Human health Corrosive. Prolonged contact causes serious eye and tissue damage. Contains a substance/a group of substances which may damage fertility and the unborn child.

Environmental The product contains a substance which may have hazardous effects on the environment.

Label elements

Pictogram



Signal word

Danger

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Hazard statements	H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H361 Suspected of damaging fertility or the unborn child. H372 Causes damage to organs (Respiratory tract) through prolonged or repeated exposure.
Precautionary statements	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P302+P352 If on skin: Wash with plenty of water. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.
Contains	CRYSTALLINE SILICA, STYRENATED PHENOL, 2-PIPERAZIN-1-YLETHYLAMINE, 1,3-CYCLOHEXANE BIS(METHYLAMINE), SALICYLIC ACID

3. Composition/information on ingredients

Mixtures

QUARTZ SAND	20-50%
CAS number: 14808-60-7	
CRYSTALLINE SILICA	20-50%
CAS number: 14808-60-7	
STYRENATED PHENOL	10-20%
CAS number: 61788-44-1	
2-PIPERAZIN-1-YLETHYLAMINE	5-10%
CAS number: 140-31-8	
1,3-CYCLOHEXANE BIS(METHYLAMINE)	1-5%
CAS number: 2579-20-6	
SALICYLIC ACID	1-5%
CAS number: 69-72-7	
BIS(ISOPROPYL)NAPHTHALENE	>0.5 <1.0%
CAS number: 38640-62-9	
DIETHYLENETRIAMINE	<0.5%
CAS number: 111-40-0	
TRIETHYLENETETRAMINE	<0.5%
CAS number: 112-24-3	

4. First-aid measures

Description of first aid measures

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Inhalation	Remove affected person from source of contamination. Get medical attention if any discomfort continues.
Ingestion	DO NOT induce vomiting. Get medical attention immediately.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

Most important symptoms and effects, both acute and delayed

Inhalation	Irritation of nose, throat and airway.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Burning pain and severe corrosive skin damage. Blistering may occur. Chemical burns.
Eye contact	May cause chemical eye burns. May cause blurred vision and serious eye damage.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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5. Fire-fighting measures
Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	DO NOT use water if avoidable.

Special hazards arising from the substance or mixture

Specific hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Oxides of carbon. Oxides of nitrogen.
Advice for firefighters	
Protective actions during firefighting	No specific firefighting precautions known.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures
Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental precautions	
Environmental precautions	Collect and dispose of spillage as indicated in Section 13. Contain spillage with sand, earth or other suitable non-combustible material. Avoid discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up	Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.
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Reference to other sections For personal protection, see Section 8. Collect and dispose of spillage as indicated in Section 13.

7. Handling and storage
Precautions for safe handling

Usage precautions Avoid contact with skin. Avoid contact with eyes. Do not empty into drains.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from food and drink. Keep container closed when not in use.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection
Control parameters
Occupational exposure limits
QUARTZ SAND

Long-term exposure limit (8-hour TWA): OSHA 0.05 mg/m³ respirable dust

Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m³ respirable fraction
A2

CRYSTALLINE SILICA

Long-term exposure limit (8-hour TWA): OSHA 0.05 mg/m³ respirable dust

Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m³ respirable fraction
A2

DIETHYLENETRIAMINE

Long-term exposure limit (8-hour TWA): ACGIH 1 ppm 4.2 mg/m³
Sk

OSHA = Occupational Safety and Health Administration.
ACGIH = American Conference of Governmental Industrial Hygienists.
Sk = Danger of cutaneous absorption.
A2 = Suspected Human Carcinogen.

Exposure controls
Protective equipment

Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

The following protection should be worn: Tight-fitting safety glasses. Contact lenses should not be worn when working with this chemical.

Hand protection

Wear protective gloves made of the following material: Nitrile rubber.

Other skin and body protection

Avoid contact with skin. Wear appropriate clothing to prevent repeated or prolonged skin contact.

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Hygiene measures	Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Use engineering controls to reduce air contamination to permissible exposure level.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

9. Physical and chemical properties
Information on basic physical and chemical properties

Appearance	Liquid
Color	Brownish.
Odor	Characteristic. Amine.
Odor threshold	Not determined.
pH	Not applicable.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	>100°C Closed cup. Literature
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not applicable.
Vapor pressure	Not determined.
Vapor density	Not determined.
Relative density	1.75 - 1.85
Bulk density	Not available.
Solubility(ies)	Not determined.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	> 60 S ISO2431
Explosive properties	No information available.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidizing properties	Does not meet the criteria for classification as oxidizing.

10. Stability and reactivity

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Reactivity	The following materials may react with the product: Acids. Epoxides. Oxidizing agents. Peroxides.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	The following materials may react with the product: Acids. Epoxides. Oxidizing agents. Peroxides.
Conditions to avoid	Stable. However, may decompose if heated.
Materials to avoid	Acids. Epoxides. Oxidizing agents. Peroxides.
Hazardous decomposition products	Oxides of carbon. Oxides of nitrogen.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 3,344.22

Acute toxicity - dermal

ATE dermal (mg/kg) 3,918.55

Skin corrosion/irritation

Human skin model test «328» «329» «330» «84»

Skin sensitization

Skin sensitization Sensitizing.

Reproductive toxicity

Reproductive toxicity - fertility Suspected of damaging fertility.

Inhalation

Vapor may irritate respiratory system/lungs.

Ingestion

May cause stomach pain or vomiting.

Skin Contact

May cause sensitisation by skin contact. May cause serious chemical burns to the skin.

Eye contact

Risk of serious damage to eyes. May cause chemical eye burns.

Acute and chronic health hazards

May cause sensitisation by skin contact. Causes severe burns.

Route of exposure

Skin and/or eye contact Inhalation

Target Organs

No specific target organs known.

Medical Symptoms

Symptoms following overexposure may include the following: Chemical burns.

Medical considerations

Splash in eye requires examination by eye specialist.

12. Ecological information

Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Bioaccumulative potential

Bio-Accumulative Potential No data available on bioaccumulation.

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Partition coefficient Not determined.

Mobility in soil

Mobility Mobile. The product is miscible with water and may spread in water systems.

13. Disposal considerations

Waste treatment methods

General information Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

Disposal methods Dispose of waste via a licensed waste disposal contractor.

14. Transport information

UN Number

UN No. (TDG) 2735

UN No. (IMDG) 2735

UN No. (ICAO) 2735

UN No. (DOT) UN2735

UN proper shipping name

Proper shipping name (TDG) AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)

Proper shipping name (IMDG) AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)

Proper shipping name (ICAO) AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)

Proper shipping name (DOT) AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 1,3-CYCLOHEXANEBIS(METHYLAMINE), 2-PIPERAZIN-1-YLETHYLAMINE)

Transport hazard class(es)

DOT hazard class 8

DOT hazard label 8

TDG class 8

TDG label(s) 8

IMDG Class 8

ICAO class/division 8

Transport labels



DOT transport labels



Packing group

TDG Packing Group	II
IMDG packing group	II
ICAO packing group	II
DOT packing group	II

Environmental hazards**Environmentally Hazardous Substance**

No.

Special precautions for user

EmS F-A, S-B

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

Guidance Workplace Exposure Limits EH40.

US Federal Regulations**SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

SARA 313 Emission Reporting

None of the ingredients are listed or exempt.

CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

FDA - Essential Chemical

None of the ingredients are listed or exempt.

FDA - Precursor Chemical

None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

US State Regulations**California Proposition 65 Carcinogens and Reproductive Toxins**

None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances

None of the ingredients are listed or exempt.

Massachusetts "Right To Know" List

The following ingredients are listed or exempt:

CRYSTALLINE SILICA

Present.

20-50%

QUARTZ SAND

Present.

20-50%

2-PIPERAZIN-1-YLETHYLAMINE

Present.

5-10%

Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

CRYSTALLINE SILICA

Present.

20-50%

QUARTZ SAND

Present.

20-50%

DIETHYLENETRIAMINE

Present.

<0.5%

Minnesota "Right To Know" List

The following ingredients are listed or exempt:

CRYSTALLINE SILICA

Present.

20-50%

QUARTZ SAND

Present.

20-50%

DIETHYLENETRIAMINE

Present.

<0.5%

New Jersey "Right To Know" List

The following ingredients are listed or exempt:

CRYSTALLINE SILICA

Present.

20-50%

QUARTZ SAND

Present.

20-50%

2-PIPERAZIN-1-YLETHYLAMINE

Present.

5-10%

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Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

CRYSTALLINE SILICA

Present.

20-50%

QUARTZ SAND

Present.

20-50%

TRIETHYLENETETRAMINE

Present.

<0.5%

2-PIPERAZIN-1-YLETHYLAMINE

Present.

5-10%

DIETHYLENETRIAMINE

Present.

<0.5%

Inventories

Canada - DSL/NDSL

All the ingredients are listed or exempt.

US - TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

16. Other information

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	5/2/2018
Version number	1.001
Supersedes date	5/9/2017
SDS No.	20365
Hazard statements in full	H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H361 Suspected of damaging fertility or the unborn child. H372 Causes damage to organs (Respiratory tract) through prolonged or repeated exposure.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.