

BOSS 822 Expansion Joint Sealant

Safety Data Sheet



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SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Trade name : BOSS 822 Expansion Joint Sealant
Reference number : 142929, 142930, 142931, 507465, 507466, 507467

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Consumer use/Professional use
Use of the substance/mixture : Sealant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Soudal
350 Ring Road
Elizabethtown, KY 42701
(270) 769-3385

technical@soudalaccumetric.com
www.SoudalUSA.com

1.4. Emergency telephone number

Emergency number : (800) 424-9300 CHEMTREC
24h/24h

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

EYE DAMAGE/IRRITATION
REPRODUCTIVE TOXICITY

Category 2B
Category 2

Adverse physicochemical, human health and environmental effects

2.2. Label elements

Hazard pictograms (CLP)



Signal word (CLP)

: WARNING

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Hazard statements (CLP)

: Causes eye irritation.
Suspected of damaging fertility or the unborn child.
Get medical advice/attention if you feel unwell.
If eye irritation persists: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on skin: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/ attention.
Read label before use.
Wash contaminated clothing before reuse.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Avoid release to environment.
Contaminated work clothing must not be allowed out of the workplace.
Wash hands thoroughly after handling.
Wear eye protection/face protection.
Wear protective gloves.
Dispose of contents and container in accordance with all local, regional, national, and international regulations.

Precautionary Statements (CLP)

Disposal:

Extra phrases

2.3. Other hazards

No data available.

SECTION 3: Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Dimethylpolysiloxane	CAS-No: 63148-62-9	10 – 30
Calcium carbonate	CAS-No.: 1317-65-3	10 - 30
Distillates (petroleum), hydrotreated middle	CAS-No.: 64742-46-7	10 – 20
Amorphous fumed silica	CAS-No: 112945-52-5	5 – 10
Vinyloximosilane	CAS-No.: 2224-33-1	1 – 5
Methyloximosilane	CAS-No.: 22984-54-9	1 – 5
N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane	CAS-No.: 1760-24-3	1 – 2

Any concentration shown in a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in concentrations applicable, are classified as hazardous to health of the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Treat according to person's condition and specifics of exposure.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell. Do not induce vomiting unless directed to do so by medical personnel.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : Skin contact may aggravate existing dermatitis. Brief contact may cause slight skin irritation with local redness. May cause drying and flaking of the skin.

Symptoms/effects after eye contact : May cause slight eye irritation. May cause mild discomfort.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Alcohol-resistant Foam. Carbon dioxide.

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Carbon oxides. Silicon oxides Formaldehyde

Unusual Fire and Explosion Hazards: Exposure to combustion products may be a hazard to health.

5.3. Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

6.1.2. For emergency responders

Protective equipment
Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

6.2. Environmental precautions

Discharge into environment must be avoided. Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8.

6.3. Methods and material for containment and cleaning up

Wipe up or scrape up and contain for salvage or disposal. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You need to determine which regulations are applicable. For large spills, provide diking and other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.

6.4. Reference to other sections

For further information refer to section 7, 8, 11, 12, and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes. Do not swallow. Avoid prolonged or repeated contact with skin. Take care to prevent spills, waste, and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice.

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Hygiene measures

: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Keep in properly labelled containers. Store in accordance with local, regional, and national regulations. Store in a cool well-ventilated area away from water or moisture.
Incompatible products	: None known
Unsuitable materials for containers	: None known

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

Amorphous Fumed Silica (112945-52-5)	
ACGIH TLV	10 mg/m ³
OSHA PEL	6 mg/m ³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses (w/ side shields), goggles

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

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Hand protection:

Chemical protective gloves are recommended.

8.2.2.3. Respiratory protection

Respiratory protection:

Use respiratory protection unless adequate exhaust ventilation is provided or exposure assessment demonstrates that exposures are within exposure guidelines. Industrial hygiene personnel can assist in judging the accuracy of existing engineering controls.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Paste
Color	: Various
Appearance	: Smooth Homogenous Paste
Odor	: Slight
Odor threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not classified as a flammability hazard
Explosive properties	: Not available
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: Not available
Auto-ignition temperature	Not available
Decomposition temperature	: Not available
pH	: Not applicable
Viscosity, kinematic	: Not available
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapor pressure	: Not applicable
Vapor pressure at 50 °C	: Not available
Density	: 1,180 kg/m ³ (20°C)
Relative density	: 1.18 (20°C)
Relative vapor density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable

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Particle dustiness : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients :

9.2.2. Other safety characteristics

VOC Content : 28 g/L

SECTION 10: Stability and reactivity

10.1. Reactivity

Not classified as a reactivity hazard

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Avoid contact with oxidizing materials.

10.6. Hazardous decomposition products

Carbon monoxide, Carbon Dioxide, Silicone Dioxides, Formaldehyde

SECTION 11: Toxicological information

11.1. Information on hazard classes

Acute toxicity (oral)	Harmful effects not anticipated from swallowing small amounts.
Acute toxicity (dermal)	: Possible skin sensitizer.
Acute toxicity (inhalation)	: Methyl ethyl ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many common chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO suppliers to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.

Skin Corrosion/Irritation

No sensitizing effects known.

Specific Target Organ Systemic Toxicity – Single Exposure

None known.

Specific Target Organ systemic Toxicity – Repeated Exposure

None known.

Carcinogenic

No relevant data found

Teratogenicity

None known.

Reproductive Toxicity

Suspected of damaging fertility or the unborn child.

Mutagenicity

None known.

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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulation Potential

No data available

12.4 Mobility in Soil

No data available

SECTION 13: Disposal

13.1. Waste treatment methods

Do not allow product to reach sewage system.

We make no guarantee or warranty of any kind that the use of disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with requirements and applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

SECTION 14: Transport Information

UN Number:	N/A	
UN Proper Shipping Name:	Not regulated as a dangerous good	
DOT Classification:	Not regulated as a dangerous good	
Packing Group:	Not regulated as a dangerous good	
International Regulations:	UNRTDG	Not regulated as a dangerous good
	IATA-DGR	Not regulated as a dangerous good
	IMDG-Code	Not regulated as a dangerous good

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. US Federal Regulations

TSCA

All components of this product follow the inventory listing requirements of the US Toxic Substances and Control Act (TSCA) Chemical Substances Inventory.

SARA 311 and 312: No SARA hazards.

SARA 313: This material does not contain any chemicals with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

15.1.2. US State Regulations

California Prop 65 Other Colors:

WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the State of California to cause cancer, and Methanol, which is known to the State of California to cause birth defects and other reproductive harm. For more information, go to www.P65Warnings.ca.gov

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information

Hazard Rating System

NFPA

Health	Flammability	Instability
1	1	0

HMIS

Health	Flammability	Instability
1	1	0

Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.