

# Request for Bid

## Concrete Deck Backer Rod and Sealant - #2020-07

Bishop State Community College

351 North Broad Street

Mobile, AL 36603

**Purpose:** Bishop State Community College is a state supported two-year college in the Alabama Community College System. The purpose of this RFB is to identify a vendor who can clean and prep joints in a concrete deck for new sealant, and supply and install new backer rod and sealant per the attached specifications to form a complete protective moisture seal.

**RFB Response:** Please provide a complete bid response to the following 4 categories - addressing your firm's capabilities to meet the college's expectations for price, quality, and performance.

- 1) Wet-signed *formal Bid response sheet w/ pricing* listed
- 2) Enclose 3 *references with* contact info from satisfied customers within the past year
- 3) Describe *normal timelines* from order placement to shipment and payment terms
- 4) Complete all *required forms* and affidavits as noted on the RFB checklist

**Formal Bid Response Sheet:** The formal bid response sheet should be filled out, printed, wet-signed and included in your proposal package. When submitting your bid, please closely review the specifications listed on page 3-26. If you are proposing alternates, please provide supporting rationale explaining equivalency. Please note the final total bid price(s) shall include all costs associated with the purchase.

**References:** Provide 3 references for us to review and contact if we have further questions.

**Normal Timeframes:** Explain expected order-to-ship timeframes. Discuss acceptable payment terms, ie. 30-60-90 days; and the process for us to set-up an account with your firm. Bids including promises about features 'coming soon' or 'available in the near future' will be rejected. Discuss acceptable payment terms in your response.

**Required Forms:** Please complete and return the RFB checklist and all properly signed and/or notarized forms and affidavits as required by the state of Alabama's laws and regulations regarding procurement with state public funds. Please review any federal guidelines that apply.

*Sealed bids* (only) will be received until May 20<sup>th</sup>, 2020 at 1:00pm. At 1:15pm, the college will unseal and begin evaluation with the goal, but no guarantee, that a decision will be made the same week. As a member of the public you are invited to attend the unsealing at the address below. However no decision will be made at the public meeting.

*Sealed* proposals should be clearly labeled on the outside and directed to:

Bishop State Community College

Business Office

Adam Merkle, *Purchasing Agent*

**SEALED #2020-07**

351 N Broad Street

Mobile, AL 36603

(251) 405-7128

[amerkle@bishop.edu](mailto:amerkle@bishop.edu)



### Parking Garage Backer rod and Sealant RFP

Sealant Contractor shall provide all Labor, Material and Equipment pricing to install all New Sealant at raised roof deck driving slabs and Backer rod and Sealant at vertical joints, as required to make the job complete. Contractor shall rake and remove all old sealant from each typical ¼ inch - ½ inch wide joints and place new joint material. Contractor shall patch various scaling concrete and apply joint sealant where required. Contractor shall insert back rod and sealant to all vertical joints to create a seal from rain water entering the overhead drive slabs

Business Technology Building Parking Garage

1. Prevent leaking in parking garage
2. Sealing of Expansion Joints on exterior platform (weather exposed) of Parking Deck; also sealing of cracks exposed to weather
3. Sealant of verticals expansion joints in the center; stuff with backer rod and sealed with concrete sealant.
4. Sealant shall be of these types:
  - a. **MasterSeal® NP1**
  - b. **Sikaflex®-1c SL**

Estimated numbers:

- Horizontal Joints Total Estimated to be 3480 feet of joint and cracks
- Horizontal Joints estimated to be 1 /4 inch to 1 /2 inches' wide
- Vertical joints estimated to be 1 /2 inch to 3/4 inches wide third floor and 2nd floor

Use self-leveling sealant for clean and natural look

Price should not include underside of overhead decking area or the Ground level joints.

Contractor responsible for verifying estimated quantities

\*\* All new fixtures to have 1 Yr. manufacturer's warranty.



International Longshoremen's

Dr Martin Luther King Jr Ave

Bishop State Community College Main Campus

Alabama State University

Lyons St

Beauregard St

16

Google





Longshoremens

Family Dollar



Bishop State  
Community  
College Main  
Campus

Alabama State University

Marmotte St

Dr. Martin Luther King Jr. Ave

N. Broad St

16

Beauregard St

g Jr Ave

Lyons St





Family Dollar

Alabama State University

Bishop State  
Community  
College Main  
Campus

ck Pick #2

N Broad St

ALT  
90

International  
Longshoremen's

White St

Dr Martin  
Google





Alabama State University

Bishop State  
Community  
College Main  
Campus

Lyons St

Beauregard St

16

Family Dollar

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Dr Martin Luther King Jr Ave

International  
Longshoremen's



## Master Builders Solutions products from BASF for the Construction Industry:

### **MasterAir®**

Solutions for air-entrained concrete

### **MasterBrace®**

Solutions for concrete strengthening

### **MasterCast®**

Solutions for manufactured concrete product industry

### **MasterCem®**

Solutions for cement manufacture

### **MasterEmaco®**

Solutions for concrete repair

### **MasterFinish®**

Solutions for formwork treatment

### **MasterFlow®**

Solutions for precision grouting

### **MasterFiber®**

Comprehensive solutions for fiber reinforced concrete

### **MasterGlenium®**

Solutions for high-performance concrete

### **MasterInject®**

Solutions for concrete injection

### **MasterKure®**

Solutions for concrete curing

### **MasterLife®**

Solutions for enhanced durability

### **MasterMatrix®**

Advanced rheology control solutions for self-consolidating concrete

### **MasterPel®**

Solutions for water tight concrete

### **MasterPolyheed®**

Solutions for high-performance concrete

### **MasterPozzolith®**

Solutions for water-reduced concrete

### **MasterProtect®**

Solutions for concrete protection

### **MasterRheobuild®**

Solutions for super-plasticized concrete

### **MasterRoc®**

Solutions for underground construction

### **MasterSeal®**

Solutions for waterproofing and sealing

### **MasterSet®**

Solutions for retardation control

### **MasterSure®**

Solutions for workability control

### **MasterTop®**

Solutions for industrial and commercial floors

### **Ucrete®**

Flooring solutions for harsh environments



# MasterSeal® NP 1

## High Performance Polyurethane Sealant



**BASF Corporation**  
**Construction Systems**  
889 Valley Park Drive  
Shakopee, MN 55379 USA

**Customer Service** 1(800)433-9517  
**Technical Service** 1(800)243-6739  
[master-builders-solutions.basf.us](http://master-builders-solutions.basf.us)



UL  
Listed  
Product  
BASF Construction Systems, LLC  
Registered in the USA since 2011  
Shakopee, MN 55379

® = Registered trademark of the BASF-Group in many countries.  
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**BASF**  
The Chemical Company





# MasterSeal® NP 1

## High Performance Polyurethane Sealant

MasterSeal NP 1 is a one-component, high-performance, non-priming, gun-grade, elastomeric polyurethane sealant. It requires no mixing and typically requires no priming to bond to many materials, including concrete and masonry. Trust MasterSeal NP 1 for your critical applications, from wall joints and window perimeters to roof seals and fire-rated joints.

### Features and Benefits

- 11 standard colors to match most common substrates
- Flexible to keep moving joints weathertight
- Primerless to many substrates for quick installation and cost reduction
- Meets current VOC requirements eliminating compliance issues
- USDA compliant allowing for use in meat and poultry plants
- UL listed and is suitable for fire rated joints

### Standard Colors

- White
- Stone
- Limestone
- Black
- Medium Bronze
- Aluminum Gray
- Tan
- Off White
- Special Bronze
- Redwood Tan
- Gray



### Applications

- Interior and exterior
- Above and below grade
- Immersed in water
- Expansion joints
- Panel walls
- Precast units
- Window frames
- Roofing
- Fascia
- Parapets
- Vinyl siding
- Store front assemblies

### Substrates

- Concrete
- Masonry
- Aluminum
- Wood
- Clay & concrete roof tiles
- Stucco
- Natural stone





# Safety Data Sheet

## MasterSeal NP 1

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(30639623/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## MasterSeal NP 1

#### Recommended use of the chemical and restriction on use

Recommended use\*: for industrial and professional users

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Chemical family: sealant

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### 2. Hazards Identification

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Resp. Sens.	1	Respiratory sensitization
Skin Sens.	1	Skin sensitization
Carc.	2	Carcinogenicity
Repr.	2 (unborn child)	Reproductive toxicity
STOT RE	1	Specific target organ toxicity — repeated exposure
Aquatic Acute	3	Hazardous to the aquatic environment - acute
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic



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### Label elements

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H361	Suspected of damaging the unborn child.
H372	Causes damage to organs (Central nervous system) through prolonged or repeated exposure.

Precautionary Statements (Prevention):

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P260	Do not breathe dust/gas/mist/vapours.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P284	In case of inadequate ventilation wear respiratory protection.
P270	Do not eat, drink or smoke when using this product.
P264	Wash with plenty of water and soap thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P314	Get medical advice/attention if you feel unwell.
P308 + P311	IF exposed or concerned: Call a POISON CENTER or doctor/physician.
P303 + P362	IF ON SKIN (or hair): Wash with plenty of soap and water.
P333 + P311	If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P337 + P311	If eye irritation persists: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Storage):

P405	Store locked up.
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Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
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### Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.



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### Labeling of special preparations (GHS):

CONTAINS ISOCYANATES. INHALATION OF ISOCYANATE MISTS OR VAPORS MAY CAUSE RESPIRATORY IRRITATION, BREATHLESSNESS, CHEST DISCOMFORT AND REDUCED PULMONARY FUNCTION. OVEREXPOSURE WELL ABOVE THE PEL MAY RESULT IN BRONCHITIS, BRONCHIAL SPASMS AND PULMONARY EDEMA. LONG-TERM EXPOSURE TO ISOCYANATES HAS BEEN REPORTED TO CAUSE LUNG DAMAGE, INCLUDING REDUCED LUNG FUNCTION WHICH MAY BE PERMANENT. ACUTE OR CHRONIC OVEREXPOSURE TO ISOCYANATES MAY CAUSE SENSITIZATION IN SOME INDIVIDUALS, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING. ANIMAL TESTS INDICATE THAT SKIN CONTACT MAY PLAY A ROLE IN CAUSING RESPIRATORY SENSITIZATION.

### 3. Composition / Information on Ingredients

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
1317-65-3	>= 0.0 - < 20.0%	Limestone
13463-67-7	>= 0.0 - < 7.0%	Titanium dioxide
14807-96-6	>= 3.0 - < 5.0%	talc
8052-41-3	>= 1.0 - <= 3.0%	Stoddard solvent
145899-78-1	>= 0.3 - < 1.0%	3-Oxazolidineethanol, 2-(1-methylethyl)-, 3,3'-carbonate
91-08-7	>= 0.3 - < 1.0%	toluene-2,6-diisocyanate
2530-83-8	>= 0.2 - < 0.3%	trimethoxy(3-(oxiranylmethoxy)propyl)silane
4083-64-1	>= 0.2 - < 0.3%	4-toluenesulphonyl isocyanate
149-57-5	>= 0.0 - < 0.2%	2-ethylhexanoic acid

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

##### If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

##### If on skin:

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

##### If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

##### If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

#### Most important symptoms and effects, both acute and delayed



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**Symptoms:** The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

**Hazards:** Respiratory sensitization may result in allergic (asthma-like) signs in the lower respiratory tract including wheezing, shortness of breath and difficulty breathing, the onset of which may be delayed. Repeated inhalation of high concentrations may cause lung damage, including reduced lung function, which may be permanent. Substances eliciting lower respiratory tract irritation may worsen the asthma-like reactions that may be produced by product exposures.

### Indication of any immediate medical attention and special treatment needed

#### Note to physician

**Treatment:** Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:  
water jet

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
nitrous gases, fumes/smoke, isocyanate, vapour

### Advice for fire-fighters

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

Keep containers cool by spraying with water if exposed to fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

### Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For small amounts: Absorb isocyanate with suitable absorbent material (see § 40 CFR, sections 260, 264 and 265 for further information). Shovel into open container. Do not make container pressure tight. Move container to a well-ventilated area (outside). Spill area can be decontaminated with the following recommended decontamination solution: Mixture of 90 % water, 8 % concentrated ammonia, 2 % detergent. Add at a 10 to 1 ratio. Allow to stand for at least 48 hours to allow escape of evolved carbon dioxide.



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For large amounts: If temporary control of isocyanate vapor is required, a blanket of protein foam or other suitable foam (available from most fire departments) may be placed over the spill. Transfer as much liquid as possible via pump or vacuum device into closed but not sealed containers for disposal.

For residues: The following measures should be taken for final cleanup: Wash down spill area with decontamination solution. Allow solution to stand for at least 10 minutes.  
Dike spillage.

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## 7. Handling and Storage

### Precautions for safe handling

Provide suitable exhaust ventilation at the processing machines. Ensure thorough ventilation of stores and work areas. Avoid aerosol formation. When handling heated product, vapours of the product should be ventilated, and respiratory protection used. Wear respiratory protection when spraying. Danger of bursting when sealed gastight. Protect against moisture. If bulging of drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.

Protection against fire and explosion:

Keep away from sources of ignition - No smoking. The relevant fire protection measures should be noted.

### Conditions for safe storage, including any incompatibilities

Observe VCI storage rules.

Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight. Store protected against freezing.

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## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

toluene-2,6-diisocyanate

ACGIH TLV	STEL value 0.005 ppm Inhalable fraction and vapor ; Skin Designation Inhalable fraction and vapor ; The substance can be absorbed through the skin. TWA value 0.001 ppm Inhalable fraction and vapor ;
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2-ethylhexanoic acid

ACGIH TLV	TWA value 5 mg/m3 Inhalable fraction and vapor ;
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Limestone

OSHA PEL	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ; TWA value 5 mg/m3 Respirable fraction ; TWA value 15 mg/m3 Total dust ;
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Titanium dioxide

OSHA PEL	PEL 15 mg/m3 Total dust ; TWA value 10 mg/m3 Total dust ;
ACGIH TLV	TWA value 10 mg/m3 ;

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talc	OSHA PEL	TWA value 2 mg/m <sup>3</sup> Respirable dust ; TWA value 20 millions of particles per cubic foot of air ; TWA value 2.4 millions of particles per cubic foot of air Respirable ; The exposure limit is calculated from the equation, $250/(\%SiO_2+5)$ , using a value of 100% SiO <sub>2</sub> . Lower percentages of SiO <sub>2</sub> will yield higher exposure limits. TWA value 0.1 mg/m <sup>3</sup> Respirable ; The exposure limit is calculated from the equation, $10mg/m^3/(\%SiO_2+2)$ , using a value of 100% SiO <sub>2</sub> . Lower percentages of SiO <sub>2</sub> will yield higher exposure limits.
	ACGIH TLV	TWA value 2 mg/m <sup>3</sup> Respirable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica.
Stoddard solvent	OSHA PEL	PEL 500 ppm 2,900 mg/m <sup>3</sup> ; TWA value 100 ppm 525 mg/m <sup>3</sup> ;
	ACGIH TLV	TWA value 100 ppm ;

### Personal protective equipment

#### **Respiratory protection:**

When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. When atmospheric levels may exceed the occupational exposure limit (PEL or TLV) NIOSH-certified air-purifying respirators equipped with an organic vapor sorbent and particulate filter can be used as long as appropriate precautions and change out schedules are in place. For emergency or non-routine, high exposure situations, including confined space entry, use a NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

#### **Hand protection:**

Chemical resistant protective gloves should be worn to prevent all skin contact., Suitable materials may include, chloroprene rubber (Neoprene), nitrile rubber (Buna N), chlorinated polyethylene, polyvinylchloride (Pylox), butyl rubber, fluoroelastomer (Viton), depending upon conditions of use.

#### **Eye protection:**

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

#### **Body protection:**

Cover as much of the exposed skin as possible to prevent all skin contact., Suitable materials may include, saran-coated material, depending upon conditions of use.

#### **General safety and hygiene measures:**

Wear protective clothing as necessary to prevent contact. Eye wash fountains and safety showers must be easily accessible. Observe the appropriate PEL or TLV value. Wash soiled clothing immediately. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.

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## 9. Physical and Chemical Properties

Form: paste  
Odour: slight odour



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Odour threshold:	No applicable information available.	
Colour:	pigmented	
pH value:	not applicable	
Melting point:	No applicable information available.	
Boiling point:	not applicable	
Sublimation point:	No applicable information available.	
Flash point:	Non-flammable.	
Flammability:	not flammable	(UN Test N.1 (ready combustible solids))
Lower explosion limit:	1 %(V) Information applies to the solvent.	
Upper explosion limit:	6 %(V) Information applies to the solvent.	
Autoignition:	not applicable	
Vapour pressure:	No applicable information available.	
Density:	approx. 1.20 g/cm <sup>3</sup> ( 20 °C)	
Relative density:	No applicable information available.	
Vapour density:	No applicable information available.	
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	No applicable information available.	
Solubility in water:	( 15 °C) insoluble	
Miscibility with water:	( 20 °C) not (e.g. <10%)	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Evaporation rate:	No applicable information available.	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:  
not fire-propagating

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated.

### Conditions to avoid

See MSDS section 7 - Handling and storage.

### Incompatible materials

strong acids, strong bases, strong oxidizing agents, strong reducing agents

### Hazardous decomposition products

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Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. Virtually nontoxic after a single ingestion.

#### Oral

No applicable information available.

#### Inhalation

No applicable information available.

#### Dermal

No applicable information available.

#### Assessment other acute effects

No applicable information available.

#### Irritation / corrosion

Assessment of irritating effects: Eye contact causes irritation. The product has not been tested. The statement has been derived from the properties of the individual components.  
Based on available Data, the classification criteria are not met.

#### Sensitization

Assessment of sensitization: Sensitization after skin contact possible. The substance may cause sensitization of the respiratory tract. As a result of previous repeated overexposures or a single large dose, certain individuals will develop isocyanate sensitization (chemical asthma) which will cause them to react to a later exposure to isocyanate at levels well below the PEL/TLV. These symptoms, which include chest tightness, wheezing, cough, shortness of breath, or asthmatic attack, could be immediate or delayed up to several hours after exposure. Similar to many non-specific asthmatic responses, there are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air, or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Chronic overexposure to isocyanates has also been reported to cause lung damage, including a decrease in lung function, which may be permanent. Prolonged contact can cause reddening, swelling, rash, scaling, or blistering. In those who have developed a skin sensitization, these symptoms can develop as a result of contact with very small amounts of liquid material, or even as a result of vapour-only exposure. Animal tests indicate that skin contact may play a role in causing respiratory sensitization.

The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible.

#### Aspiration Hazard

No aspiration hazard expected.



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### Chronic Toxicity/Effects

#### Repeated dose toxicity

Assessment of repeated dose toxicity: May cause central nervous system effects.  
Based on available Data, the classification criteria are not met.

#### Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity: Contains a compound classified as IARC Group 2B (possibly carcinogenic to humans).

#### *Information on: Titanium dioxide*

*Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. Dermal exposure is not expected to be carcinogenic.*

#### *Information on: toluene-2,6-diisocyanate*

*Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).*

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#### Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

#### Teratogenicity

Assessment of teratogenicity: May cause harm to the unborn child. The product has not been tested. The statement has been derived from the properties of the individual components.

#### Other Information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

### Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

Assessment of aquatic toxicity:

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There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

### Persistence and degradability

#### Assessment biodegradation and elimination (H<sub>2</sub>O)

Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

The polymer component of the product is poorly biodegradable.

### Bioaccumulative potential

#### Assessment bioaccumulation potential

Discharge into the environment must be avoided.

### Mobility in soil

#### Assessment transport between environmental compartments

No data available.

### Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statement has been derived from the properties of the individual components.

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## 13. Disposal considerations

### **Waste disposal of substance:**

Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.

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## 14. Transport Information

### **Land transport**

USDOT

Not classified as a dangerous good under transport regulations

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

### **Further information**

DOT: This product is regulated if the amount in a single receptacle exceeds the Reportable Quantity (RQ). Please refer to Section 15 of this MSDS for the RQ for this product.



# Safety Data Sheet

## MasterSeal NP 1

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### 15. Regulatory Information

#### Federal Regulations

##### Registration status:

Chemical TSCA, US released / listed

TSCA § 5(a) proposed Significant New Use Restriction (SNUR)  
This product contains a substance subject to a pending SNUR.  
40 CFR 721.10789

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

##### EPCRA 313:

<u>CAS Number</u>	<u>Chemical name</u>
91-08-7	toluene-2,6-diisocyanate
584-84-9	toluene-2,4-diisocyanate

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
100 LBS	91-08-7	toluene-2,6-diisocyanate

#### State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
PA	1317-65-3	Limestone
	13463-67-7	Titanium dioxide
	14807-96-6	talc
	53306-54-0	bis(2-propylheptyl) phthalate
	8052-41-3	Stoddard solvent
NJ	584-84-9	toluene-2,4-diisocyanate
	1317-65-3	Limestone
	13463-67-7	Titanium dioxide
	14807-96-6	talc
	8052-41-3	Stoddard solvent
	91-08-7	toluene-2,6-diisocyanate
	584-84-9	toluene-2,4-diisocyanate

#### **Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:**

**WARNING:** This product can expose you to chemicals including TITANIUM DIOXIDE (AIRBORNE, UNBOUND PARTICLES OF RESPIRABLE SIZE), which is known to the State of California to cause cancer, and TOLUENE, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

##### NFPA Hazard codes:

Health: 2      Fire: 0      Reactivity: 0      Special:

### 16. Other Information

#### SDS Prepared by:

BASF NA Product Regulations  
SDS Prepared on: 2018/07/28

# Safety Data Sheet

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We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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END OF DATA SHEET



## PRODUCT DATA SHEET

# Sikaflex<sup>®</sup>-1c SL

## HIGH PERFORMANCE, SELF-LEVELING, 1-PART POLYURETHANE SEALANT

### PRODUCT DESCRIPTION

Sikaflex<sup>®</sup>-1c SL is a single component, self-leveling, premium-grade polyurethane sealant with an accelerated curing capacity. Meets Federal Specification TT-S-00230C, Type I, Class A. Meets ASTM C-920, Type S, Grade P, Class 25, use T, M, A, G, I.

### USES

Sikaflex<sup>®</sup>-1c SL is used to seal horizontal expansion joints in concrete and cementitious slabs such as:

- Sidewalks
- Balconies
- Pavements
- Terraces
- Warehouses
- Factories
- Civil Structures
- Plazas
- Pitch Pans
- Canals and Water Treatment

### CHARACTERISTICS / ADVANTAGES

- 1-component, no mixing
- Self-leveling, pourable
- Accelerated curing
- Can be applied to green concrete 24 hours after pour
- Can be applied to damp concrete 1 hour after getting wet
- Extremely elastic
- High durability
- Resists aging, weathering
- Excellent adhesion
- Convenient, easy-to-use packaging
- Jet fuel resistant
- Water Immersion Applications

### PRODUCT INFORMATION

<b>Packaging</b>	10.1 fl. oz. moisture-proof composite cartridges, 24/case. 29 oz. moisture-proof composite cartridges, 12/case. 5 gallon pails. (filled to 5 gal.) 50 gallon drums.
<b>Color</b>	Limestone
<b>Shelf Life</b>	10.1 oz. & 29 oz. cartridge: 1 year in original unopened packaging. 5 gallon pail & 50 gallon drum: 6 months in original unopened packaging.
<b>Storage Conditions</b>	Store at 40–95 °F (4–35 °C). Condition material to 65–75 °F before using.
<b>Volatile organic compound (VOC) content</b>	40 g/l



## TECHNICAL INFORMATION

Shore A Hardness	40 ± 5	(21 days at 73 °F (23 °C) and 50 % R.H.) (ASTM D-2240)		
Tensile Strength	150 psi	(21 days at 73 °F (23 °C) and 50 % R.H.) (ASTM D-412)		
Tensile Stress at Specified Elongation	110 psi at 100 %	(21 days at 73 °F (23 °C) and 50 % R.H.) (ASTM D-412)		
Elongation at Break	320 %	(21 days at 73 °F (23 °C) and 50 % R.H.) (ASTM D-412)		
Elastic Recovery	>90 %			
Adhesion in Peel	<b>Substrate</b>	<b>Peel Strength</b>	<b>Adhesion loss</b>	(73 °F (23 °C) and 50 % R.H.) (ASTM C-794)
	Mortar	> 28 lbs.	0 %	
	Aluminium	> 30 lbs.	0 %	
	Glass	> 37 lbs.	0 %	
Movement Capability	±25 %	(73 °F (23 °C) and 50 % R.H.) (ASTM C-719)		
Resistance to Weathering	Excellent			
Service Temperature	-40 °F (-40 °C) to 170 °F (77 °C)			

## APPLICATION INFORMATION

### Coverage

#### 10.1 oz Cartridge: Yield in Linear feet

Width/Depth	1/4"	3/8"	1/2"
1/4"	24.3		
3/8"	16.2	10.8	
1/2"	12.1	8.1	6.1
3/4"	8.1	5.4	4.0
1"			3.0
1.25"			2.4
1.5"			2.0

#### 29 oz Cartridge: Yield in Linear feet

Width/Depth	1/4"	3/8"	1/2"
1/4"	69.8		
3/8"	46.5	31.0	
1/2"	34.9	23.3	17.4
3/4"	23.3	15.5	11.6
1"			8.7
1.25"			7.0
1.5"			5.8

#### 1 gallon: Yield in Linear feet

Width/Depth	1/4"	3/8"	1/2"
1/4"	307.9		
3/8"	205.3	136.8	
1/2"	153.9	102.6	77.0
3/4"	102.6	68.4	51.3
1"			38.5
1.25"			30.8
1.5"			25.7

**Ambient Air Temperature** 40–100 °F. Sealant should be installed when joint is at mid-range of its anticipated movement.

**Substrate Temperature** 40–100 °F. Sealant should be installed when joint is at mid-range of its

anticipated movement.

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**Curing Rate****Tack-free Time:** 1 to 2 hours**Final Cure:** 3 to 5 days

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## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Clean all surfaces. Joint walls must be sound, clean, dry, frost-free, and free of oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed. A mechanically roughened surface will also enhance bond. Sikaflex®-1c SL can be applied in green concrete after the concrete has cured for a minimum of 24 hours at 75°F. (23°C). For green concrete applications in control joints the concrete must be cut 8 hours (min.) prior to sealant installation and in expansion joint the forms must be removed 6 hours (min.) prior to sealant installation. For wet concrete applications all excess or standing water must be displaced and concrete must then dry for a minimum of 60 min prior to sealant installation. Install bond breaker tape or backer rod to prevent bond at base of joint. If sealant will be used in immersion service then priming is required - when using primer, green and damp concrete conditions should be avoided.

### APPLICATION METHOD / TOOLS

Recommended application temperatures: 40–100 °F. Preconditioning sealant to approximately 70 °F is necessary when working at extremes. For best performance, Sikaflex®-1c SL should be poured into joint when joint slot is at mid-point of its designed expansion and contraction. Pour sealant into joint slot in one direction and allow sealant to flow and level out as necessary. Tool as required, although minimum tooling is necessary. Joint dimension should allow for 1/4 inch minimum and 1/2 inch maximum thickness for sealant. Proper design is 2:1 width to depth ratio. Always use bond breaker tape or closed cell backer rod for support on horizontal joints.

Sikaflex®-1c SL can be applied in green concrete after the concrete has cured for a minimum of 24 hours at 75 °F. Control joints must be cut and open for min of 8 hours prior to application. Expansion joints must have forms removed a minimum of 4 hours prior to application. For damp concrete applications Sikaflex-1c SL can be applied 60 minutes after any and all water has been displaced.

### LIMITATIONS

- Primer is required if sealant will be subjected to total water immersion.
- Allow 1 week cure at standard conditions when using Sikaflex®-1c SL in total water immersion situations.
- When overcoating with water, oil and rubber-based paints, compatibility and adhesion testing is essential.

- Rigid paints, coatings, or primers will crack over elastomeric sealant experiencing expansion or contraction.
- Maximum exposure level of chlorine is 5 ppm.
- In joints subject to movement - maximum depth of sealant must not exceed 1/2 in.; minimum depth is 1/4 in.
- Minimum depth of sealant for horizontal joints subject to traffic is 1/2 in.
- Maximum expansion and contraction should not exceed 25 % of average joint width.
- Do not cure in the presence of curing silicone sealants.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Do not apply when moisture-vapor transmission condition exists from the substrate as this can cause bubbling within the sealant.
- Use opened cartridges the same day.
- The ultimate performance of Sikaflex®-1c SL depends on good joint design and proper application with joint surfaces properly prepared.
- Do not use in contact with bituminous/asphaltic materials.
- In green concrete applications sealing joints in poor or low strength concrete 24 hours after pour may impact ability of sealant to gain proper adhesion.
- In damp concrete applications all standing water and excess water must be eliminated prior to the 60 minute waiting time.

## BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED

#### Product Data Sheet

Sikaflex®-1c SL

March 2020, Version 01.05

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- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates (“SIKA”), the user must always read and follow the warnings and instructions on the product’s most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by calling SIKA’s Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product’s shelf life. User determines suitability of product for intended use and assumes all risks. User’s and/or buyer’s sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs.

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**Sika Corporation**  
 201 Polito Avenue  
 Lyndhurst, NJ 07071  
 Phone: +1-800-933-7452  
 Fax: +1-201-933-6225  
[usa.sika.com](http://usa.sika.com)

**Sika Mexicana S.A. de C.V.**  
 Carretera Libre Celaya Km. 8.5  
 Fracc. Industrial Balvanera  
 Corregidora, Queretaro  
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 Phone: 52 442 2385800  
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**Product Data Sheet**  
 Sikaflex®-1c SL  
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## ADDITIONAL PROVISIONS

1. For the purpose of this RFP, the College designates a preference zone to include those entities operating within the state of Alabama.
2. The College reserves the right to accept bids in any combination, or reject any bid or part thereof and waive information that might be in the best interest of the College. The College expressly reserves the right to reject all bids if, in its sole discretion, the College believes the rejection of all bids would be in the best interests of the College.
3. After the bids are opened, all bids become the property of the College and will be made available for public inspection.
4. The proposal is to be made without connections with any other person, company, or party making a bid proposal and is to be in all respects fair and in good faith, without collusion or fraud.
5. Bishop State Community College is tax-exempt under number: 49-1557. Alabama Law (Section 41-4-116, Code of Alabama 1975) provides that every bid submitted and contract executed shall contain a certification that the vendor, contractor, and all of its affiliates that make sales for delivery into Alabama or leases for use in Alabama are registered, collecting, and remitting Alabama state and local sales, use, and/or lease tax on all taxable sales and leases into Alabama. **BY SUBMITTING THIS RFP or RFP, THE BIDDER IS HEREBY CERTIFYING THAT THEY ARE IN FULL COMPLIANCE WITH ACT NO. 2006-557.** They are not barred from bidding or entering into a contract pursuant to 41-4-116, and acknowledge that the awarding authority may declare the contract void if the certification is false.
6. Bid awards are subject to change or cancellation due to unanticipated decrease in funding (including tuition, local, state or federal). Bid awards are also subject to change or cancellation due to changes in local, state, federal laws, regulations or policies or in changes in the policies of the Alabama Community College System Board of Trustees.
7. Act 2001-955 requires the Disclosure Statement (included with this bid request) be completed and filed with all proposals, bids, contracts, or grant proposals to the State of Alabama in excess of \$5,000.00.
8. Alabama laws require that, as a condition for the award of a contract by a college to a business entity or employer with one or more employees working in Alabama, the business entity or employer must provide documentation of enrollment in the E-Verify program. During the performance of the contract, the business entity or employer shall participate in the E-Verify program and shall verify every employee that is required to be verified according to the applicable federal rules and regulations. The contractor's E-Verify Memorandum of Understanding must be

included with the bid. If you do not believe these requirements are applicable to your entity, include an explanation justifying such exemption. An entity can obtain the E-Verify Memorandum of Understanding upon completion in the E-Verify enrollment process located at the federal web site [www.uscis.gov/everify](http://www.uscis.gov/everify). The Alabama Department of Homeland Security (<http://immigration.alabama.gov>) has also established an E-Verify employer agent account for any business entity or employer with 25 or fewer employees that will provide a participating business entity or employer with the required documentation of enrollment in the E-Verify program. An Employer Identification Number (EIN), also known as a Federal Tax Identification Number, is required to enroll in E-Verify or to establish an E-Verify employer agent account.

9. Invoicing frequency should generally be no more than once per month at the end of the billing period. Payment terms are net 30.

**If Contract is awarded, the following conditions will apply and shall take precedence over any and all contrary or conflicting provisions of the agreement between the parties and shall govern the rights and obligations of the parties:**

10. This agreement shall be governed by and construed in accordance with the laws of the State of Alabama without giving effect to any choice- or conflict- of- laws, provisions, or rules (whether of the State of Alabama or any other jurisdiction) that would cause the application of the laws of any jurisdiction other than those of the State of Alabama.
11. It is further agreed that the terms and commitments contained herein shall not constitute a debt of the State of Alabama in violation of Section 213 of the Constitution of Alabama of 1901, as amended by Amendment Number 26. If any provision of this agreement shall contravene any statute or constitutional provision, either now in effect or which may be enacted during the term of this agreement, then the conflicting provision of this agreement shall be deemed null and void. Vendor understands, acknowledges, and agrees that its sole and exclusive remedy for any claim which may arise from or relate to this agreement is to file a claim with the Board of Adjustment of the State of Alabama.
12. By signing this contract, the contracting parties affirm, for the duration of this agreement, that they will not violate federal immigration law or knowingly employ, hire, for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of this agreement and shall be responsible for all damages resulting there from.
13. The relationship between the parties is that of independent contractors. Nothing contained herein shall be construed as creating any agency, partnership, joint

venture, or other form of joint enterprise, employment, or fiduciary relationship between the parties, and neither party shall have authority to contract for or bind the other party in any manner whatsoever.

14. This agreement constitutes the sole and entire agreement of the parties to this agreement with respect to the subject matter contained herein, and supersedes all prior and contemporaneous understandings, negotiations, and agreements, both oral and written, with respect to such subject matter.
15. In accordance with the recommendations of the Governor and the Attorney General of the State of Alabama, the parties shall consider settling all disputes arising from or related to this agreement by using appropriate forms of non-binding alternative dispute resolution.
16. In the event of proration of the fund from which payment under which this agreement is to be made, the agreement will be subject to termination.
17. This agreement may be executed in counterparts, each of which shall be deemed and original, but all of which together shall be deemed to be one and the same agreement.

**Federal Funding Provisions, because a portion of funding may come from the federal government, federal contracting regulations could apply including everything listed in Appendix II to Part 200 of 2 CFR Chapter II.**

18. By submitting bid or proposal, vendor agrees to comply with all federal guidelines including but not limited to:
  - a. Equal Employment Opportunity
  - b. Davis-Bacon Act, Copeland Anti-Kickback Act
  - c. Contract Work Hours and Safety Act
  - d. Rights to Inventions Made Under a Contract or Agreement
  - e. Clean Air Act and Federal Water Pollution Control Act
  - f. Energy Policy and Conservation Act
  - g. Debarment and Suspension Clauses
  - h. Byrd Anti-Lobbying Amendment