

# SAFETY DATA SHEET

## Sikaflex HY 100 stone Formerly MSeal NP 100 Stn



Version 1.0      Revision Date: 01/19/2021      SDS Number: 000000586263      Date of last issue: -  
Date of first issue: 01/19/2021

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### SECTION 1. IDENTIFICATION

Product name : Sikaflex HY 100 stone Formerly MSeal NP 100 Stn  
Product code : 000000000050393010

#### Manufacturer or supplier's details

Company name of supplier : Sika MBCC US LLC  
Address : 201 POLITO AVE  
Lyndhurst NJ 07071  
Emergency telephone : ChemTel: +1-813-248-0585

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

Recommended use : Product for construction chemicals  
Restrictions on use : Reserved for industrial and professional use.

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Serious eye damage/eye irritation : Category 2A  
Skin sensitization : Category 1A  
Carcinogenicity : Category 1A  
Reproductive toxicity : Category 1B  
Reproductive toxicity : Category 1B  
Short-term (acute) aquatic hazard : Category 3  
Long-term (chronic) aquatic hazard : Category 3

#### GHS label elements

Hazard pictograms : The image shows two GHS hazard pictograms side-by-side. The first is a red diamond with a black exclamation mark inside, representing 'Irritant' or 'Hazardous for the Environment'. The second is a red diamond with a black silhouette of a person with a starburst on their chest, representing 'Health Hazard'.

Signal Word : Danger  
Hazard Statements : H319 Causes serious eye irritation.

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H317 May cause an allergic skin reaction.  
H350 May cause cancer.  
H360 May damage fertility or the unborn child.  
H402 Harmful to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary Statements :

#### Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P201 Obtain special instructions before use.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P202 Do not handle until all safety precautions have been read and understood.  
P273 Avoid release to the environment.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P264 Wash face, hands and any exposed skin thoroughly after handling.

#### Response:

P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.

#### Storage:

P405 Store locked up.

#### Disposal:

P501 Dispose of contents/container to appropriate hazardous waste collection point.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Sealant

### Components

| Chemical name                                     | CAS-No.    | Concentration (% w/w) |
|---------------------------------------------------|------------|-----------------------|
| dibutyltin dilaurate                              | 77-58-7    | >= 0 - < 1            |
| Quartz (SiO <sub>2</sub> )                        | 14808-60-7 | >= 0 - < 1            |
| 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol   | 25973-55-1 | >= 0.2 - < 3          |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate    | 41556-26-7 | >= 0 - < 3            |
| bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate      | 52829-07-9 | >= 0.2 - < 3          |
| Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | 82919-37-7 | >= 0 - < 1            |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine      | 1760-24-3  | >= 0.2 - < 3          |

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|                                                      |            |                    |
|------------------------------------------------------|------------|--------------------|
| Trimethoxyvinylsilane                                | 2768-02-7  | $\geq 0.3 - < 3$   |
| Dibutylbis(pentane-2,4-dionato-O <sub>2</sub> O')tin | 22673-19-4 | $\geq 0 - < 1$     |
| calcium carbonate                                    | 471-34-1   | $\geq 3 - \leq 50$ |
| Limestone                                            | 1317-65-3  | $\geq 3 - < 50$    |
| stearic acid                                         | 57-11-4    | $\geq 0.1 - < 7$   |

### SECTION 4. FIRST AID MEASURES

- General advice : First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing. Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Do not leave the victim unattended.
- If inhaled : Keep patient calm, remove to fresh air, seek medical attention. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
- In case of skin contact : Immediately wash thoroughly with soap and water, seek medical attention. If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
- In case of eye contact : Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
- If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Induce vomiting immediately and call a physician. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
- Most important symptoms and effects, both acute and : May cause an allergic skin reaction. Causes serious eye irritation.

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delayed  
Notes to physician : May cause cancer.  
May damage fertility or the unborn child.  
: Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Foam  
Water spray  
Dry powder  
Carbon dioxide (CO2)

Unsuitable extinguishing media : water jet

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Avoid dust formation.  
Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling : Avoid formation of respirable particles.  
Do not breathe vapors/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.

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Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.
- 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.
- Materials to avoid : Observe TRGS 509/510 storage rules.
- Further information on storage stability : No decomposition if stored and applied as directed.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

| Components           | CAS-No. | Value type (Form of exposure)       | Control parameters / Permissible concentration | Basis    |
|----------------------|---------|-------------------------------------|------------------------------------------------|----------|
| stearic acid         | 57-11-4 | TWA value (Inhalable fraction)      | 10 mg/m <sup>3</sup>                           | ACGIHTLV |
|                      |         | TWA value (Respirable fraction)     | 3 mg/m <sup>3</sup>                            | ACGIHTLV |
|                      |         | TWA (Inhalable particulate matter)  | 10 mg/m <sup>3</sup>                           | ACGIH    |
|                      |         | TWA (Respirable particulate matter) | 3 mg/m <sup>3</sup>                            | ACGIH    |
| dibutyltin dilaurate | 77-58-7 | TWA value                           | 0.1 mg/m <sup>3</sup> (tin (Sn))               | ACGIHTLV |
|                      |         | STEL value                          | 0.2 mg/m <sup>3</sup> (tin (Sn))               | ACGIHTLV |
|                      |         | REL value                           | 0.1 mg/m <sup>3</sup> (tin (Sn))               | NIOSH    |

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|                   |           |                                    |                                 |                                      |
|-------------------|-----------|------------------------------------|---------------------------------|--------------------------------------|
|                   |           | PEL                                | 0.1 mg/m3<br>(tin (Sn))         | 29 CFR<br>1910.1000<br>(Table Z-1)   |
|                   |           | TWA value                          | 0.1 mg/m3<br>(tin (Sn))         | 29 CFR<br>1910.1000<br>(Table Z-1-A) |
|                   |           | TWA                                | 0.1 mg/m3<br>(Tin)              | OSHA Z-1                             |
|                   |           | TWA                                | 0.1 mg/m3<br>(Tin)              | ACGIH                                |
|                   |           | STEL                               | 0.2 mg/m3<br>(Tin)              | ACGIH                                |
|                   |           | TWA                                | 0.1 mg/m3<br>(Tin)              | OSHA P0                              |
|                   |           | TWA                                | 0.1 mg/m3<br>(Tin)              | NIOSH REL                            |
| calcium carbonate | 471-34-1  | REL value<br>(Total)               | 10 mg/m3                        | NIOSH                                |
|                   |           | REL value<br>(Respirable)          | 5 mg/m3                         | NIOSH                                |
|                   |           | PEL (Respirable fraction)          | 5 mg/m3                         | 29 CFR<br>1910.1000<br>(Table Z-1)   |
|                   |           | PEL (Total dust)                   | 15 mg/m3                        | 29 CFR<br>1910.1000<br>(Table Z-1)   |
|                   |           | TWA (Respirable)                   | 5 mg/m3<br>(Calcium carbonate)  | NIOSH REL                            |
|                   |           | TWA (total)                        | 10 mg/m3<br>(Calcium carbonate) | NIOSH REL                            |
| Limestone         | 1317-65-3 | REL value<br>(Respirable)          | 5 mg/m3                         | NIOSH                                |
|                   |           | REL value<br>(Total)               | 10 mg/m3                        | NIOSH                                |
|                   |           | PEL (Respirable fraction)          | 5 mg/m3                         | 29 CFR<br>1910.1000<br>(Table Z-1)   |
|                   |           | PEL (Total dust)                   | 15 mg/m3                        | 29 CFR<br>1910.1000<br>(Table Z-1)   |
|                   |           | TWA value<br>(Respirable fraction) | 5 mg/m3                         | 29 CFR<br>1910.1000<br>(Table Z-1-A) |
|                   |           | TWA value<br>(Total dust)          | 15 mg/m3                        | 29 CFR<br>1910.1000<br>(Table Z-1-A) |
|                   |           | TWA (total dust)                   | 15 mg/m3                        | OSHA Z-1                             |
|                   |           | TWA (respirable fraction)          | 5 mg/m3                         | OSHA Z-1                             |

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|                                         |            |                                |                                 |                                      |
|-----------------------------------------|------------|--------------------------------|---------------------------------|--------------------------------------|
|                                         |            | TWA (Total dust)               | 15 mg/m3                        | OSHA P0                              |
|                                         |            | TWA (respirable dust fraction) | 5 mg/m3                         | OSHA P0                              |
|                                         |            | TWA (Respirable)               | 5 mg/m3<br>(Calcium carbonate)  | NIOSH REL                            |
|                                         |            | TWA (total)                    | 10 mg/m3<br>(Calcium carbonate) | NIOSH REL                            |
| Dibutylbis(pentane-2,4-dionato-O,O')tin | 22673-19-4 | TWA value                      | 0.1 mg/m3<br>(tin (Sn))         | ACGIHTLV                             |
|                                         |            | STEL value                     | 0.2 mg/m3<br>(tin (Sn))         | ACGIHTLV                             |
|                                         |            | REL value                      | 0.1 mg/m3<br>(tin (Sn))         | NIOSH                                |
|                                         |            | PEL                            | 0.1 mg/m3<br>(tin (Sn))         | 29 CFR<br>1910.1000<br>(Table Z-1)   |
|                                         |            | TWA value                      | 0.1 mg/m3<br>(tin (Sn))         | 29 CFR<br>1910.1000<br>(Table Z-1-A) |
|                                         |            | TWA                            | 0.1 mg/m3<br>(Tin)              | OSHA Z-1                             |
|                                         |            | TWA                            | 0.1 mg/m3<br>(Tin)              | ACGIH                                |
|                                         |            | STEL                           | 0.2 mg/m3<br>(Tin)              | ACGIH                                |
|                                         |            | TWA                            | 0.1 mg/m3<br>(Tin)              | OSHA P0                              |
|                                         |            | TWA                            | 0.1 mg/m3<br>(Tin)              | NIOSH REL                            |

**Engineering measures** : No applicable information available.

**Personal protective equipment**

Respiratory protection : Wear respiratory protection if ventilation is inadequate.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures : Avoid contact with the skin, eyes and clothing.

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No special measures necessary if stored and handled correctly.  
Handle in accordance with good building materials hygiene and safety practice.  
Wearing of closed work clothing is recommended.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                  |                                                                                                                           |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Appearance                                       | : paste                                                                                                                   |
| Color                                            | : beige                                                                                                                   |
| Odor                                             | : faint odour                                                                                                             |
| pH                                               | : Not applicable                                                                                                          |
| Melting point                                    | : No applicable information available.                                                                                    |
| Boiling point                                    | : No applicable information available.                                                                                    |
| Flash point                                      | : > 253 °F / > 123 °C<br><br>Method: Standard Method of Test for Flash Point by Setaflash Closed Tester<br>does not flash |
| Evaporation rate                                 | : No applicable information available.                                                                                    |
| Flammability (solid, gas)                        | : not determined                                                                                                          |
| Upper explosion limit / Upper flammability limit | : No applicable information available.                                                                                    |
| Lower explosion limit / Lower flammability limit | : No applicable information available.                                                                                    |
| Vapor pressure                                   | : No applicable information available.                                                                                    |
| Relative vapor density                           | : No applicable information available.                                                                                    |
| Relative density                                 | : No applicable information available.                                                                                    |
| Density                                          | : 11.65 lb/USg (73 - 77 °F / 23 - 25 °C)                                                                                  |
| Solubility(ies)<br>Water solubility              | : insoluble (59 °F / 15 °C)                                                                                               |



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Solubility in other solvents : No applicable information available.

Partition coefficient: n-octanol/water : No applicable information available.

Autoignition temperature : No applicable information available.

Decomposition temperature : No decomposition if stored and handled as prescribed/indicated.

Viscosity

    Viscosity, dynamic : No applicable information available.

    Viscosity, kinematic : No applicable information available.

Explosive properties : Not explosive

Oxidizing properties : Not an oxidizer.

Self-heating substances : No data available

Sublimation point : No applicable information available.

Molecular weight : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : The product is stable if stored and handled as prescribed/indicated.  
No decomposition if stored and applied as directed.

Conditions to avoid : See SDS section 7 - Handling and storage.

Incompatible materials : Strong acids  
Strong bases  
Strong oxidizing agents  
Strong reducing agents

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

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

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### **Product:**

Acute oral toxicity : Remarks: No applicable information available.

Acute inhalation toxicity : Remarks: No applicable information available.

Acute dermal toxicity : Remarks: No applicable information available.

### **Skin corrosion/irritation**

Not classified based on available information.

### **Product:**

Remarks : May cause skin irritation and/or dermatitis.

### **Serious eye damage/eye irritation**

Causes serious eye irritation.

### **Product:**

Remarks : May cause irreversible eye damage.

### **Respiratory or skin sensitization**

#### **Skin sensitization**

May cause an allergic skin reaction.

#### **Respiratory sensitization**

Not classified based on available information.

### **Product:**

Remarks : Causes sensitization.

### **Germ cell mutagenicity**

Not classified based on available information.

### **Carcinogenicity**

May cause cancer.

### **Reproductive toxicity**

May damage fertility or the unborn child.

### **STOT-single exposure**

Not classified based on available information.

### **STOT-repeated exposure**

Not classified based on available information.

### **Aspiration toxicity**

Not classified based on available information.

### **Product:**

No aspiration hazard expected.

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### Components:

#### **2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol:**

Not applicable

#### **bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate:**

Not applicable

#### **Trimethoxyvinylsilane:**

Not applicable

#### **Dibutylbis(pentane-2,4-dionato-O,O')tin:**

Not applicable

#### **stearic acid:**

Not applicable

### **Experience with human exposure**

#### Product:

General Information : Remarks: According to experience, the product is considered to be harmless to health if used in the correct manner.

### **Further information**

#### Product:

Remarks : The product has not been tested. The statement has been derived from the properties of the individual components.

Remarks : No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### Components:

##### **dibutyltin dilaurate:**

M-Factor (Acute aquatic toxicity) : 1

##### **Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:**

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

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### Persistence and degradability

No data available

### Bioaccumulative potential

#### Components:

##### **dibutyltin dilaurate:**

Partition coefficient: n-octanol/water : log Pow: 3.17 (69.4 °F / 20.8 °C)  
pH: 6.1 - 6.3  
Method: Partition coefficient (n-octanol/water), Shake-flask method  
GLP: yes

##### **2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol:**

Partition coefficient: n-octanol/water : log Pow: > 6.5 (73 °F / 23 °C)  
pH: 6.4  
Method: Partition coefficient (n-octanol/water), HPLC method.  
  
log Pow: 7.3 (77 °F / 25 °C)  
Method: other (calculated)

##### **bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate:**

Partition coefficient: n-octanol/water : log Pow: 0.35 (77 °F / 25 °C)  
pH: 7  
Method: Partition coefficient (n-octanol/water), Shake-flask method

##### **N-(3-(Trimethoxysilyl)propyl)ethylenediamine:**

Partition coefficient: n-octanol/water : log Pow: -0.82  
Method: other (calculated)

##### **Trimethoxyvinylsilane:**

Partition coefficient: n-octanol/water : log Pow: 1.1 (68 °F / 20 °C)

##### **Dibutylbis(pentane-2,4-dionato-O,O')tin:**

Partition coefficient: n-octanol/water : Remarks: Study technically not feasible.

##### **stearic acid:**

Partition coefficient: n-octanol/water : Remarks: No data available.

log Pow: 8.23  
Method: other (measured)

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### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.  
The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with national, state and local regulations.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Domestic regulation

#### 49 CFR

Not regulated as a dangerous good

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## SECTION 15. REGULATORY INFORMATION

### US State Regulations

#### Pennsylvania Right To Know

|                   |          |
|-------------------|----------|
| ethylenediamine   | 107-15-3 |
| calcium carbonate | 471-34-1 |

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Limestone 1317-65-3  
Titanium dioxide 13463-67-7  
Di-isononylphthalate 28553-12-0  
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich 68515-48-0

### New Jersey Right To Know

ethylenediamine 107-15-3  
Limestone 1317-65-3  
Titanium dioxide 13463-67-7

### California Prop. 65

WARNING: This product can expose you to chemicals including lead, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

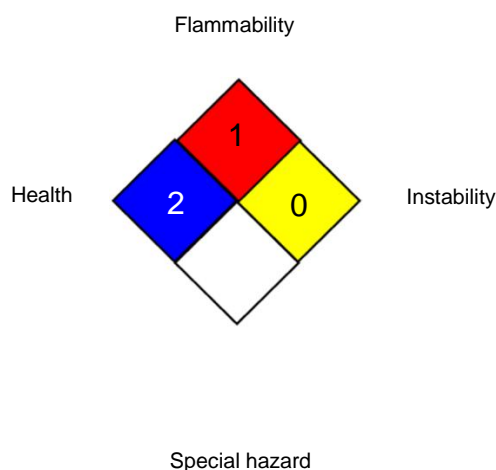
### The ingredients of this product are reported in the following inventories:

DSL : All components of this product are on the Canadian DSL  
TSCA : All chemical substances in this product are either listed as active on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

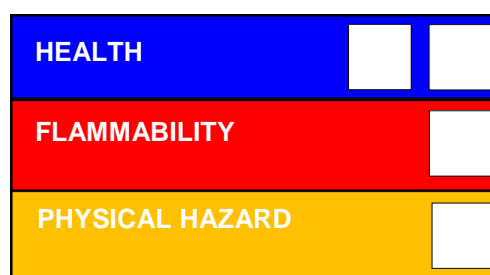
## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



#### HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

29 CFR 1910.1000 (Table Z-1-A) : OSHA - Table Z-1-A (29 CFR 1910.1000)  
29 CFR 1910.1000 (Table Z-1) : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000

# SAFETY DATA SHEET

## Sikaflex HY 100 stone Formerly MSeal NP 100 Stn



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ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
ACGIHTLV : American Conference of Governmental Industrial Hygienists -  
threshold limit values (US)  
NIOSH : NIOSH Pocket Guide to Chemical Hazards (US)  
NIOSH REL : USA. NIOSH Recommended Exposure Limits  
OSHA P0 : USA. OSHA - TABLE Z-1 Limits for Air Contaminants -  
1910.1000  
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-  
its for Air Contaminants  
29 CFR 1910.1000 (Table Z- : Time Weighted Average (TWA):  
1-A) / TWA value  
29 CFR 1910.1000 (Table Z- : Permissible exposure limit  
1) / PEL  
ACGIH / TWA : 8-hour, time-weighted average  
ACGIH / STEL : Short-term exposure limit  
ACGIHTLV / STEL value : Short Term Exposure Limit (STEL):  
ACGIHTLV / TWA value : Time Weighted Average (TWA):  
NIOSH / REL value : Recommended exposure limit (REL):  
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour  
workday during a 40-hour workweek  
OSHA P0 / TWA : 8-hour time weighted average  
OSHA Z-1 / TWA : 8-hour time weighted average

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations;

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UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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