

# SAFETY DATA SHEET

## Sikalastic®-710 NP Base



Version  
1.0

Revision Date:  
03/17/2017

SDS Number:  
100000009718

---

### SECTION 1. IDENTIFICATION

Product name : Sikalastic®-710 NP Base

#### Manufacturer or supplier's details

Company name : Sika Canada Inc.  
601, avenue Delmar  
Pointe-Claire, QC H9R 4A9  
Canada  
www.sika.ca

Telephone : (514) 697-2610 / 1 (800) 933-7452

Telefax : (514) 694-2792

Health and Safety Services's  
e-mail address : ehs@ca.sika.com

Emergency telephone : CANUTEC (collect) (613) 996-6666 (24 hours)

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

For further information, refer to product data sheet.

---

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 3

Acute toxicity (Inhalation) : Category 4

Respiratory sensitization : Category 1

Skin sensitization : Category 1

Carcinogenicity (Inhalation) : Category 1A

Carcinogenicity : Category 2

Specific target organ system-  
ic toxicity - repeated expo-  
sure : Category 1 (Lungs)

Specific target organ system-  
ic toxicity - repeated expo-  
sure (Inhalation) : Category 1 (Central nervous system)

Specific target organ system-  
ic toxicity - repeated expo-  
sure : Category 2

Version  
1.0Revision Date:  
03/17/2017SDS Number:  
100000009718

sure (Inhalation)

**GHS label elements**

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: H226 Flammable liquid and vapor.  
 H317 May cause an allergic skin reaction.  
 H332 Harmful if inhaled.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H350i May cause cancer by inhalation.  
 H351 Suspected of causing cancer.  
 H372 Causes damage to organs (Lungs) through prolonged or repeated exposure.  
 H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.  
 H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

Precautionary Statements

: **Prevention:**  
 P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 Keep container tightly closed.  
 P240 Ground and bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
 P242 Use non-sparking tools.  
 P243 Take action to prevent static discharges.  
 P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
 P264 Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P272 Contaminated work clothing must not be allowed out of the workplace.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P284 In case of inadequate ventilation wear respiratory protection.  
**Response:**  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
 P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.  
 P308 + P313 IF exposed or concerned: Get medical advice/

# SAFETY DATA SHEET

## Sikalastic®-710 NP Base



Version  
1.0

Revision Date:  
03/17/2017

SDS Number:  
10000009718

attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

Warning : Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

**Other hazards**

None known.

**Supplemental information**

If product is in liquid or paste form, physical or health hazards listed related to dust are not considered significant. However, product may contain substances that could be potential hazards if caused to become airborne due to grinding, sanding or other abrasive processes.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous ingredients**

Chemical name	CAS-No.	Concentration (% w/w)
Solvent naphtha (petroleum), medium aliph.	64742-88-7	>= 10 - < 20
Hydrocarbons, C9, aromatics	64742-95-6	>= 5 - < 10
Quartz (SiO <sub>2</sub> )	14808-60-7	>= 2 - < 5
Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	>= 2 - < 5
4-methyl-m-phenylene diisocyanate	584-84-9	>= 0.1 - < 1
2-methyl-m-phenylene diisocyanate	91-08-7	>= 0.1 - < 1

### SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Consult a physician.  
Show this material safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.  
Consult a physician after significant exposure.

In case of skin contact : Take off contaminated clothing and shoes immediately.

Version  
1.0Revision Date:  
03/17/2017SDS Number:  
10000009718

	Wash off with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	: Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.
Most important symptoms and effects, both acute and delayed	: sensitizing effects carcinogenic effects Asthmatic appearance Respiratory disorder Allergic reactions Headache See Section 11 for more detailed information on health effects and symptoms. May cause an allergic skin reaction. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause cancer by inhalation. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure.
Notes to physician	: Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	: Alcohol-resistant foam Carbon dioxide (CO <sub>2</sub> ) Dry chemical
Unsuitable extinguishing media	: Water High volume water jet
Specific hazards during fire fighting	: Do not use a solid water stream as it may scatter and spread fire.
Further information	: Use water spray to cool unopened containers. 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	: In the event of fire, wear self-contained breathing apparatus.



Version  
1.0

Revision Date:  
03/17/2017

SDS Number:  
100000009718

---

## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Remove all sources of ignition.  
Deny access to unprotected persons.  
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
- Environmental precautions : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
- 

## SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Use explosion-proof equipment. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Take precautionary measures against electrostatic discharges.
- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapors or spray mist.  
Avoid exceeding the given occupational exposure limits (see section 8).  
Do not get in eyes, on skin, or on clothing.  
For personal protection see section 8.  
Persons with a history of 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.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharge.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).  
Follow standard hygiene measures when handling chemical products.
- Conditions for safe storage : Prevent unauthorized access.  
Store in original container.  
Keep in a well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Store in accordance with local regulations.
-

Version  
1.0Revision Date:  
03/17/2017SDS Number:  
10000009718

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Hydrocarbons, C9, aromatics	64742-95-6	TWA	200 mg/m <sup>3</sup> (As total hydrocarbon vapour)	CA AB OEL
		TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	ACGIH
Quartz (SiO <sub>2</sub> )	14808-60-7	TWA (Respirable fraction)	0.1 mg/m <sup>3</sup>	CA ON OEL
		TWA (Respirable particulates)	0.025 mg/m <sup>3</sup>	CA AB OEL
		TWAEV (respirable dust)	0.1 mg/m <sup>3</sup>	CA QC OEL
		TWA (Respirable)	0.025 mg/m <sup>3</sup> (Silica)	CA BC OEL
Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	TWA (Respirable fraction)	0.025 mg/m <sup>3</sup> (Silica)	ACGIH
		TWA	0.005 ppm 0.07 mg/m <sup>3</sup>	CA AB OEL
		TWA	0.005 ppm	CA BC OEL
4-methyl-m-phenylene diisocyanate	584-84-9	C	0.01 ppm	CA BC OEL
		TWA	0.005 ppm 0.04 mg/m <sup>3</sup>	CA AB OEL
		(c)	0.02 ppm 0.1 mg/m <sup>3</sup>	CA AB OEL
		TWA	0.005 ppm	CA ON OEL
		C	0.02 ppm	CA ON OEL
		TWA	0.005 ppm	CA BC OEL
		C	0.01 ppm	CA BC OEL
		TWA	0.005 ppm	CA BC OEL
		C	0.01 ppm	CA BC OEL
		TWA	0.005 ppm	ACGIH
		STEL	0.02 ppm	ACGIH
		TWA (Inhalable fraction and vapor)	0.001 ppm	ACGIH
STEL (Inhalable fraction and vapor)	0.005 ppm	ACGIH		
2-methyl-m-phenylene diisocyanate	91-08-7	TWA	0.005 ppm	CA ON OEL
		C	0.02 ppm	CA ON OEL
		TWA	0.005 ppm	CA AB OEL

Version  
1.0Revision Date:  
03/17/2017SDS Number:  
10000009718

			0.04 mg/m <sup>3</sup>	
		(c)	0.02 ppm 0.1 mg/m <sup>3</sup>	CA AB OEL
		TWA	0.005 ppm	CA ON OEL
		C	0.02 ppm	CA ON OEL
		TWA	0.005 ppm	CA BC OEL
		C	0.01 ppm	CA BC OEL
		TWA	0.005 ppm	CA BC OEL
		C	0.01 ppm	CA BC OEL
		TWA	0.005 ppm	ACGIH
		STEL	0.02 ppm	ACGIH
		TWA (Inhalable fraction and vapor)	0.001 ppm	ACGIH
		STEL (Inhalable fraction and vapor)	0.005 ppm	ACGIH

**Engineering measures** : Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.  
The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

#### Personal protective equipment

**Respiratory protection** : Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

**Hand protection**

**Remarks** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

**Skin and body protection** : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

**Hygiene measures** : Avoid contact with skin, eyes and clothing.  
Wash hands before breaks and immediately after handling

# SAFETY DATA SHEET

## Sikalastic®-710 NP Base



Version  
1.0

Revision Date:  
03/17/2017

SDS Number:  
100000009718

the product.  
Remove respiratory and skin/eye protection only after vapors have been cleared from the area.  
Remove contaminated clothing and protective equipment before entering eating areas.  
Wash thoroughly after handling.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: viscous liquid
Color	: gray
Odor	: mild, aromatic
Odor Threshold	: No data available
pH	: Not applicable
Melting point/range / Freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: ca. 42 °C (108 °F) Method: closed cup
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: 7 %(V)
Lower explosion limit	: 0.8 %(V)
Vapor pressure	: 4.9996 hpa (3.750 mmHg)
Relative vapor density	: No data available
Density	: ca. 1.25 g/cm <sup>3</sup> (20 °C (68 °F) ())
Solubility(ies) Water solubility	: insoluble
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity Viscosity, dynamic	: No data available



# SAFETY DATA SHEET

## Sikalastic®-710 NP Base



Version  
1.0

Revision Date:  
03/17/2017

SDS Number:  
100000009718

---

Viscosity, kinematic : > 20.5 mm<sup>2</sup>/s (40 °C)  
Explosive properties : No data available  
Molecular weight : No data available

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.  
Chemical stability : The product is chemically stable.  
Possibility of hazardous reactions : Stable under recommended storage conditions.  
Vapors may form explosive mixture with air.  
Conditions to avoid : Heat, flames and sparks.  
Incompatible materials : No data available  
No decomposition if stored and applied as directed.

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Harmful if inhaled.

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method  
Acute inhalation toxicity : Acute toxicity estimate: 2.4 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method  
Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

#### Ingredients:

##### **Hydrocarbons, C9, aromatics:**

Acute oral toxicity : LD50 Oral (Rat): > 2,000 mg/kg  
Acute dermal toxicity : LD50 Dermal (Rabbit): > 2,000 mg/kg

##### **Diphenylmethanediisocyanate, isomeres and homologues:**

Acute oral toxicity : LD50 Oral (Rat): > 10,000 mg/kg  
Acute inhalation toxicity : Acute toxicity estimate: 1.5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Expert judgment

**Sikalastic®-710 NP Base**Version  
1.0Revision Date:  
03/17/2017SDS Number:  
10000009718

Acute dermal toxicity : LD50 Dermal (Rabbit): &gt; 9,400 mg/kg

**4-methyl-m-phenylene diisocyanate:**

Acute oral toxicity : LD50 Oral (Rat): &gt; 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0.107 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

Acute dermal toxicity : LD50 Dermal (Rat): &gt; 9,400 mg/kg

**2-methyl-m-phenylene diisocyanate:**Acute inhalation toxicity : LC50 (Rat): 0.107 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor**Skin corrosion/irritation**

Not classified based on available information.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Respiratory or skin sensitization**

Skin sensitization: May cause an allergic skin reaction.

Respiratory sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

May cause cancer by inhalation.

Suspected of causing cancer.

**IARC**

Group 1: Carcinogenic to humans

Quartz (SiO<sub>2</sub>) 14808-60-7

Group 2B: Possibly carcinogenic to humans

titanium dioxide 13463-67-7

Carbon black 1333-86-4

4-methyl-m-phenylene diisocyanate 584-84-9

2-methyl-m-phenylene diisocyanate 91-08-7

**NTP**

Known to be human carcinogen

Quartz (SiO<sub>2</sub>) 14808-60-7



Version  
1.0

Revision Date:  
03/17/2017

SDS Number:  
10000009718

**Reproductive toxicity**

Not classified based on available information.

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

Causes damage to organs (Lungs) through prolonged or repeated exposure.  
Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.  
May cause damage to organs through prolonged or repeated exposure if inhaled.

**Aspiration toxicity**

Not classified based on available information.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Ingredients:****Hydrocarbons, C9, aromatics:**

Toxicity to algae : (Pseudokirchneriella subcapitata (green algae)): 2.6 - 2.9 mg/l  
Exposure time: 72 h

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Additional ecological information : Do not empty into drains; dispose of this material and its container in a safe way.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

Version  
1.0Revision Date:  
03/17/2017SDS Number:  
100000009718

---

**SECTION 14. TRANSPORT INFORMATION****Domestic regulation****TDG (road/train)**

UN number : UN 1263  
Proper shipping name : PAINT  
  
Class : 3  
Packing group : III  
Labels : 3

**International Regulations****IATA-DGR**

UN/ID No. : UN 1263  
Proper shipping name : Paint  
Class : 3  
Packing group : III  
Labels : Flammable Liquids  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355

**IMDG-Code**

UN number : UN 1263  
Proper shipping name : PAINT  
  
Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E  
Marine pollutant : no

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

Not applicable for product as supplied.

---

**SECTION 15. REGULATORY INFORMATION****Canadian lists**

No substances are subject to a Significant New Activity Notification.

---

**SECTION 16. OTHER INFORMATION**

Revision Date : 03/17/2017  
Prepared by : R & D of Sika Canada Inc.

Notice to Reader:

# SAFETY DATA SHEET

## Sikalastic®-710 NP Base



Version  
1.0

Revision Date:  
03/17/2017

SDS Number:  
10000009718

The information contained in this Material Safety Data Sheet applies only to the actual Sika Canada product identified and described herein. This information is not intended to address, nor does it address the use or application of the identified Sika product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified product that Sika believes to be reliable as of the date hereof. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's current Product Data Sheet, product label and Material Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed.

SIKA MAKES NO WARRANTIES EXPRESS OR IMPLIED AND ASSUMES NO LIABILITY ARISING FROM THIS INFORMATION OR ITS USE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES AND SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

All sales of Sika products are subject to its current terms and conditions of sale available at [www.sika.ca](http://www.sika.ca) or 514-697-2610.

### Full text of other abbreviations

ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
CAS	Chemical Abstracts Service
DNEL	Derived no-effect level
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LD50	Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
LC50	Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted no effect concentration
REACH	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
SVHC	Substances of Very High Concern
vPvB	Very persistent and very bioaccumulative

CA / Z8