

# SAFETY DATA SHEET

## Sikaflex NP 2 activator (Part B) Formerly MSeal NP 2 activator



Version 3.0      Revision Date: 04/19/2023      SDS Number: 000000260282      Date of last issue: 03/03/2021  
Date of first issue: 05/07/2020

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### SECTION 1. IDENTIFICATION

Product name : Sikaflex NP 2 activator (Part B) Formerly MSeal NP 2 activator  
Product code : 000000000051687443  
Other means of identification : MasterSeal NP2/SL2 Activator (Part B)

#### 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 : Sealant  
Restrictions on use : Reserved for industrial and professional use.


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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Respiratory sensitization : Category 1  
Skin sensitization : Category 1  
Carcinogenicity : Category 2

#### GHS label elements

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H317 May cause an allergic skin reaction.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H351 Suspected of causing cancer.

Precautionary Statements : **Prevention:**

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P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing mist or vapors.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P285 In case of inadequate ventilation wear respiratory protection.

### Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P341 IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.  
P363 Wash contaminated clothing before reuse.

### Storage:

P405 Store locked up.

### Disposal:

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

### Other hazards

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. Animal tests indicate that skin contact may play a role in causing respiratory sensitization.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : polyurethane component

### Components

Chemical name	CAS-No.	Concentration (% w/w)
4-methyl-m-phenylene diisocyanate	584-84-9	$\geq 1 - < 5$
toluene-2,6-diisocyanate	91-08-7	$\geq 0.1 - < 1$
p-Toluenesulphonyl isocyanate	4083-64-1	$\geq 0.1 - < 1$

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

General advice : Remove contaminated clothing.

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- If inhaled : Remove the affected individual into fresh air and keep the person calm.  
Assist in breathing if necessary.  
Immediate medical attention required.
  - In case of skin contact : Wash affected areas thoroughly with soap and water.  
Consult a doctor if skin irritation persists.
  - In case of eye contact : 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 200-300 ml of water.  
Do NOT induce vomiting.  
Immediate medical attention required.
  - Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Suspected of causing cancer.
  - Notes to physician : Treat symptomatically.
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### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Foam  
Water spray
  - Unsuitable extinguishing media : High volume water jet
  - Hazardous combustion products : nitrous gases  
fumes/smoke  
isocyanate  
vapor
  - Further information : Sealed containers should be protected against heat as this results in pressure build-up.
  - Special protective equipment for fire-fighters : Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.
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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.
  - Environmental precautions : Do not discharge into drains/surface waters/groundwater.
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Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame.  
If exposed to fire, keep containers cool by spraying with water.

Advice on safe handling : Avoid contact with the skin, eyes and clothing.  
Avoid excessive temperatures.  
Avoid humidity.

Conditions for safe storage : Prevent unauthorized access.  
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.

Recommended storage temperature : 64 - 104 °F / 18 - 40 °C

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
4-methyl-m-phenylene diisocyanate	584-84-9	C	0.02 ppm 0.14 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Inhalable fraction and vapor)	0.001 ppm	ACGIH
		STEL (Inhalable fraction and vapor)	0.005 ppm	ACGIH
		TWA	0.005 ppm 0.04 mg/m <sup>3</sup>	OSHA P0
		STEL	0.02 ppm 0.15 mg/m <sup>3</sup>	OSHA P0
toluene-2,6-diisocyanate	91-08-7	C	0.02 ppm 0.14 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Inhalable fraction and vapor)	0.001 ppm	ACGIH
		STEL (Inhalable fraction and vapor)	0.005 ppm	ACGIH
		TWA	0.005 ppm 0.04 mg/m <sup>3</sup>	OSHA P0

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		STEL	0.02 ppm 0.15 mg/m3	OSHA P0
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**Engineering measures** : Provide local exhaust ventilation to control vapours/mists.

### Personal protective equipment

**Respiratory protection** : 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.

**Hand protection**

**Remarks** : Chemical resistant protective gloves. Protective glove selection must be based on the user's assessment of the workplace hazards.

**Eye protection** : Safety glasses with side-shields.  
Wear face shield if splashing hazard exists.

**Skin and body protection** : Body protection must be chosen based on level of activity and exposure.

**Protective measures** : Wear protective clothing as necessary to prevent contact. Eye wash fountains and safety showers must be easily accessible.  
Observe the appropriate PEL value.

**Hygiene measures** : Avoid contact with skin, eyes and clothing.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and immediately after handling the product.  
Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : liquid

**Color** : amber

**Odor** : mild

**Odor Threshold** : not determined

**pH** : neutral to slightly alkaline

**Melting point** : No data available.

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Boiling range : 459 - 484 °F / 237 - 251 °C

Flash point : 259 °F / 126 °C

Evaporation rate : No data available

Flammability (liquids) : Not classified as a flammability hazard

Upper explosion limit / Upper flammability limit : No data available.

Lower explosion limit / Lower flammability limit : No data available.

Vapor pressure : No data available.

Relative vapor density : Heavier than air.

Relative density : 8.7 - 9.1 (73 °F / 23 °C)

Density : approx. 1.0 g/cm<sup>3</sup> (68 °F / 20 °C)

Bulk density : Not applicable

Solubility(ies)  
Water solubility : No data available

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : not applicable for mixtures

Autoignition temperature : No data available

Decomposition temperature : No data available

Viscosity  
Viscosity, dynamic : No data available.

Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : Based on its structural properties the product is not classified as oxidizing.

Sublimation point : No data available

Molecular weight : Not applicable

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability	:	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions	:	The product is chemically stable.
Conditions to avoid	:	Avoid moisture. Avoid prolonged exposure to extreme heat. Avoid sources of ignition.
Incompatible materials	:	Strong oxidizing agents Strong bases Strong acids
Hazardous decomposition products	:	irritant gases/vapours carbon oxides

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### 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

Suspected of causing cancer.

<b>IARC</b>	Group 2B: Possibly carcinogenic to humans 4-methyl-m-phenylene diisocyanate (toluene diisocyanates)	584-84-9
	Group 2B: Possibly carcinogenic to humans toluene-2,6-diisocyanate (toluene diisocyanates)	91-08-7

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**NTP**      Reasonably anticipated to be a human carcinogen      584-84-9  
4-methyl-m-phenylene diisocyanate  
Reasonably anticipated to be a human carcinogen  
toluene-2,6-diisocyanate      91-08-7

### Reproductive toxicity

Not classified based on available information.

### 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.

### Further information

#### Product:

Remarks      :      Health injuries are not known or expected under normal use.  
The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

### Ecotoxicology Assessment

Acute aquatic toxicity      :      This product has no known ecotoxicological effects.

Chronic aquatic toxicity      :      This product has no known ecotoxicological effects.

### 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 discharge product into the environment without control.  
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 : Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with local authority regulations.
- Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### 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

### SECTION 15. REGULATORY INFORMATION

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
4-methyl-m-phenylene diisocyanate	584-84-9	100	6127
toluene-2,6-diisocyanate	91-08-7	100	24509

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

4-methyl-m-phenylene diisocyanate	584-84-9	>= 1 - < 5 %
toluene-2,6-diisocyanate	91-08-7	>= 0.1 - < 1 %

#### US State Regulations

#### Pennsylvania Right To Know

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4-methyl-m-phenylene diisocyanate      584-84-9  
toluene-2,6-diisocyanate      91-08-7

### New Jersey Right To Know

4-methyl-m-phenylene diisocyanate      584-84-9  
toluene-2,6-diisocyanate      91-08-7

### California Prop. 65

WARNING: This product can expose you to chemicals including 4-methyl-m-phenylene diisocyanate, which is/are known to the State of California to cause cancer. 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:

TSCA : All substances listed as active on the TSCA inventory  
DSL : All components of this product are on the Canadian DSL

### TSCA list

The following substance(s) is/are subject to a Significant New Use Rule:

4-methyl-m-phenylene diisocyanate      584-84-9  
toluene-2,6-diisocyanate      91-08-7

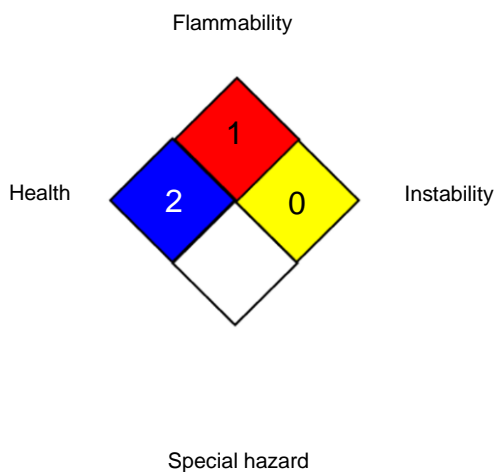
The following substance(s) is/are subject to TSCA 12(b) export notification requirements:

4-methyl-m-phenylene diisocyanate      584-84-9  
toluene-2,6-diisocyanate      91-08-7

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



#### HMIS® IV:

HEALTH		
FLAMMABILITY		
PHYSICAL HAZARD		

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

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ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)  
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants  
ACGIH / TWA : 8-hour, time-weighted average  
ACGIH / STEL : Short-term exposure limit  
OSHA P0 / TWA : 8-hour time weighted average  
OSHA P0 / STEL : Short-term exposure limit  
OSHA Z-1 / C : Ceiling

AIIC - Australian Inventory of Industrial Chemicals; 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; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 04/19/2023

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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