

# SAFETY DATA SHEET

## SikaCor® VEL Hardener



Version 0.0

SDS Number: 000000123926

Revision Date: 2017/01/26

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SikaCor® VEL Hardener  
Product code : 000000123926  
Type of product : liquid

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

Product use : Sealing system

#### Manufacturer or supplier's details

Company : Sika (NZ) Ltd.  
85-91 Patiki Road  
Avondale  
Auckland AKL 1026  
  
Telephone : +64 9 820 2900  
  
Emergency telephone number : 0800 734 607  
  
Telefax : +64 9 828 4091  
  
E-mail address : info@nz.sika.com

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

5.2 Organic Peroxides : Category F  
6.1 Acute toxicity (Oral) : Category D  
6.1 Acute toxicity (Inhalation) : Category D  
6.1 Acute toxicity (Dermal) : Category B  
8.2 Skin corrosion : Category B  
8.3 Serious eye damage : Category A  
6.6 Germ cell mutagenicity : Category B  
6.9 Specific Target Organ Toxicity (Inhalation) : Category A  
9.1 Aquatic toxicity (Acute or Chronic) : Category B  
9.2 Ecotoxic to soil environment : Category B  
9.3 Ecotoxic to terrestrial vertebrates : Category B

#### GHS label elements

# SAFETY DATA SHEET

## SikaCor® VEL Hardener



Version 0.0

SDS Number: 000000123926

Revision Date: 2017/01/26

Hazard pictograms

:



Signal word

: Danger

Hazard statements

: H242 Heating may cause a fire.  
H302 Harmful if swallowed.  
H310 Fatal in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H332 Harmful if inhaled.  
H341 Suspected of causing genetic defects.  
H370 Causes damage to organs if inhaled.  
H411 Toxic to aquatic life with long lasting effects.  
H422 Toxic to the soil environment.  
H432 Toxic to terrestrial vertebrates.

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/sparks/open flames/hot surfaces. No smoking.  
P220 Keep/Store away from clothing/ combustible materials.  
P234 Keep only in original container.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P262 Do not get in eyes, on skin, or on clothing.  
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.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.  
P322 Specific measures (see supplemental first aid instructions on this label).  
P361 Remove/ Take off immediately all contaminated clothing.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.  
**Storage:**  
P405 Store locked up.  
P410 Protect from sunlight.  
P411 + P235 Store at temperatures not exceeding 22 °C/ 72

# SAFETY DATA SHEET

## SikaCor® VEL Hardener



Version 0.0

SDS Number: 000000123926

Revision Date: 2017/01/26

°F. Keep cool.

P420 Store away from other materials.

**Disposal:**

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

**Other hazards which do not result in classification**

None known.

---

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Hazardous components**

Chemical name	CAS-No.	Concentration (%)
cumene hydroperoxide	80-15-9	>= 70 - < 90
2-phenylpropan-2-ol	617-94-7	>= 1 - < 10
cumene	98-82-8	>= 1 - < 10
acetophenone	98-86-2	>= 1 - < 10

---

### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.
- If inhaled : Call a physician or poison control centre immediately.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Health injuries may be delayed.  
corrosive effects  
Gastrointestinal discomfort  
Respiratory disorder  
Headache

# SAFETY DATA SHEET

## SikaCor® VEL Hardener



Version 0.0

SDS Number: 000000123926

Revision Date: 2017/01/26

Dermatitis  
Skin disorders  
See Section 11 for more detailed information on health effects and symptoms.  
Harmful if swallowed or if inhaled  
Fatal in contact with skin.  
Causes serious eye damage.  
Suspected of causing genetic defects.  
Causes damage to organs if inhaled.  
Causes severe burns.

Notes to physician : Treat symptomatically.

---

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : Water
- Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : 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 firefighters : In the event of fire, wear self-contained breathing apparatus.

---

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Deny access to unprotected persons.
- Environmental precautions : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- 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

# SAFETY DATA SHEET

## SikaCor® VEL Hardener



Version 0.0

SDS Number: 000000123926

Revision Date: 2017/01/26

- Advice on protection against fire and explosion : Keep away from heat/sparks/open flames/hot surfaces. No smoking. Take precautionary measures against electrostatic discharges.
- Advice on safe handling : 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.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Follow standard hygiene measures when handling chemical products
- 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.
- Conditions for safe storage : Prevent unauthorized access.  
Store in original container.  
Store in cool place.  
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.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
cumene	98-82-8	WES-TWA	25 ppm 125 mg/m <sup>3</sup>	NZ OEL
	Further information: Skin absorption			
		WES-STEL	75 ppm 375 mg/m <sup>3</sup>	NZ OEL
	Further information: Skin absorption			
		TWA	50 ppm	ACGIH

#### Personal protective equipment

- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
- Hand protection : Chemical-resistant, impervious gloves complying with an ap-

# SAFETY DATA SHEET

## SikaCor® VEL Hardener



Version 0.0

SDS Number: 000000123926

Revision Date: 2017/01/26

proved 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.

---

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : colourless
- Odour : strong
- Odour Threshold : No data available
- pH : acidic
- Melting point/freezing point : ca. -30 °C (-22 °F)  
: Not applicable
- Flash point : > 101 °C (> 214 °F)  
Method: closed cup
- Evaporation rate : No data available
- Flammability : No data available
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapour pressure : ca. 4 hPa (3 mmHg) (20 °C (68 °F))
- Relative vapour density : No data available
- Density : ca. 1.05 g/cm<sup>3</sup> (20 °C (68 °F) ( ))
- Solubility(ies)  
Water solubility : soluble
- Partition coefficient: n-octanol/water : No data available
- Auto-ignition temperature : No data available

# SAFETY DATA SHEET

## SikaCor® VEL Hardener



Version 0.0

SDS Number: 000000123926

Revision Date: 2017/01/26

---

Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: ca. 10.9 mPa.s (20 °C)
Viscosity, kinematic	: > 7 - < 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	: Decomposes on heating.
Possibility of hazardous reactions	: Stable under recommended storage conditions.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Acids and bases Reducing agents Heavy metals

No decomposition if stored and applied as directed.

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

No data available

#### Skin corrosion/irritation

Causes severe burns.

#### Serious eye damage/eye irritation

Causes serious eye damage.

#### Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

#### Chronic toxicity

#### Germ cell mutagenicity

Suspected of causing genetic defects.

#### Carcinogenicity

Not classified based on available information.

#### Reproductive toxicity

Not classified based on available information.

#### STOT - single exposure

Causes damage to organs if inhaled.

# SAFETY DATA SHEET

## SikaCor® VEL Hardener



Version 0.0

SDS Number: 000000123926

Revision Date: 2017/01/26

### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

---

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### 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. Toxic to aquatic life with long lasting effects.

---

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

---

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### IATA-DGR

UN/ID No. : UN 3109  
Proper shipping name : Organic peroxide type F, liquid (Cumyl hydroperoxide)  
Class : 5.2  
Subsidiary risk : HEAT, 8  
Packing group : Not assigned by regulation  
Labels : 5.2, HEAT, 8



# SAFETY DATA SHEET

## SikaCor® VEL Hardener



Version 0.0

SDS Number: 000000123926

Revision Date: 2017/01/26

Packing instruction (cargo aircraft) : 570

Packing instruction (passenger aircraft) : 570

### IMDG-Code

UN number : UN 3109

Proper shipping name : ORGANIC PEROXIDE TYPE F, LIQUID  
(Cumyl hydroperoxide)

Class : 5.2

Subsidiary risk : 8

Packing group : Not assigned by regulation

Labels : 5.2 (8)

EmS Code : F-J, S-R

Marine pollutant : yes

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

Not applicable for product as supplied.

### National Regulations

#### NZS 5433

UN number : UN 3109

Proper shipping name : ORGANIC PEROXIDE TYPE F, LIQUID  
(Cumyl hydroperoxide)

Class : 5.2

Packing group : Not assigned by regulation

Labels : 5.2

---

## SECTION 15. REGULATORY INFORMATION

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

International Chemical Weapons Convention (CWC) : Not applicable  
Schedules of Toxic Chemicals and Precursors

### HSNO Approval Number

HSR100055

### HSNO Controls

Approved handler certificate required

HSNO tracking required

Refer to EPA user guide to the HSNO control regulations for further information.

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

NZIoC : On the inventory, or in compliance with the inventory

---

## SECTION 16. OTHER INFORMATION

Date format : dd.mm.yyyy

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.