

# Safety Data Sheet

## Sokalan® CP 5

Revision date : 2019/11/01

Version: 6.0

Page: 1/9

(30042761/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

#### Sokalan® CP 5

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

Recommended use\*: Raw material for the chemical-technical industry

Recommended use\*: Raw material

Suitable for use in industrial sector: chemical industry

\* 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

Synonyms:

Polymer based on: acrylic acid, maleic acid, sodium salt, in water

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### 2. Hazards Identification

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

#### Classification of the product

No need for classification according to GHS criteria for this product.

#### Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

# Safety Data Sheet

## Sokalan® CP 5

Revision date : 2019/11/01  
Version: 6.0

Page: 2/9  
(30042761/SDS\_GEN\_US/EN)

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

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## 3. Composition / Information on Ingredients

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

Under the referenced regulation, this product does not contain any components classified for health hazards above the relevant cut off value.

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## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Keep patient calm, remove to fresh air.

#### If on skin:

Wash thoroughly with soap and water.

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

#### If swallowed:

Rinse mouth and then drink 200-300 ml of water.

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

Symptoms: (Further) symptoms and / or effects are not known so far

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

#### Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
unburned hydrocarbons, carbon oxides

# Safety Data Sheet

## Sokalan® CP 5

Revision date : 2019/11/01

Version: 6.0

Page: 3/9

(30042761/SDS\_GEN\_US/EN)

### Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental release measures

### Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

### Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures, see section 8.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).

Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off product.

Spills should be contained, solidified, and placed in suitable containers for disposal.

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## 7. Handling and Storage

### Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

### Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4301 (V2), Stainless steel 1.4306 (V2A), Stainless steel 1.4361, Stainless steel 1.4401, Stainless steel 1.4541, Stainless steel 1.4571, Stove-lacquer RDL 50, Stainless steel 1.4439, Stainless steel 1.4539

Further information on storage conditions: Keep container tightly closed and in a cool place.

Storage stability:

Storage temperature: 5 - 40 °C

Protect from temperatures below: 5 °C

Characteristics of the product are reversibly changed when falling below the limit temperature.

Protect from temperatures above: 40 °C

Properties of the product change irreversibly on exceeding the limit temperature.

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## 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

# Safety Data Sheet

## Sokalan® CP 5

Revision date : 2019/11/01  
Version: 6.0

Page: 4/9  
(30042761/SDS\_GEN\_US/EN)

### Personal protective equipment

#### **Respiratory protection:**

Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

#### **Hand protection:**

Chemical resistant protective gloves

#### **Eye protection:**

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

#### **Body protection:**

Body protection must be chosen based on level of activity and exposure.

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

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and Chemical Properties

Form:	aqueous solution	
Odour:	product specific	
Odour threshold:	not determined	
Colour:	yellowish	
pH value:	approx. 8 ( 10 %(m))	(DIN 19268)
solidification point:	approx. 0 °C	(DIN ISO 2207)
Melting point:	approx. 5 °C	
boiling temperature:	> 100 °C	
Flash point:	contains water A flash point determination is unnecessary due to the high water content. Aqueous preparation	
Flammability:	not flammable	
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	> 200 °C	(DIN 51794)
Vapour pressure:	23 mbar ( 20 °C)	
Density:	contains water approx. 1.296 g/cm3 ( 23 °C)	(DIN 51757)
	approx. 1.286 g/cm3 ( 40 °C)	(DIN 51757)
	approx. 1.274 g/cm3 ( 60 °C)	(DIN 51757)
Relative density:	No data available.	
Vapour density:	not determined	
Partitioning coefficient n-octanol/water (log Pow):	-4.20 ( 25 °C)	
Self-ignition temperature:	not self-igniting	

# Safety Data Sheet

## Sokalan® CP 5

Revision date : 2019/11/01

Page: 5/9

Version: 6.0

(30042761/SDS\_GEN\_US/EN)

Thermal decomposition:	137 °C (DSC (DIN 51007))	
Viscosity, dynamic:	approx. 1,830 mPa.s ( 23 °C)	(DIN EN 12092)
	approx. 800 mPa.s ( 40 °C)	(DIN EN 12092)
	approx. 360 mPa.s ( 60 °C)	(DIN EN 12092)
Particle size:	The substance / product is marketed or used in a non solid or granular form.	
Solubility in water:	soluble	
Miscibility with water:	miscible in all proportions	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
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.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

### Chemical stability

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

### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

### Conditions to avoid

See SDS section 7 - Handling and storage.

### Incompatible materials

strong acids, strong bases, water reactive substances, strong oxidizing agents

### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:

137 °C (DSC (DIN 51007))

## 11. Toxicological information

### Primary routes of exposure

# Safety Data Sheet

## Sokalan® CP 5

Revision date : 2019/11/01  
Version: 6.0

Page: 6/9  
(30042761/SDS\_GEN\_US/EN)

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 after a single ingestion.

#### Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg (OECD Guideline 401)

Analogous: Assessment derived from products with similar chemical character.

#### Inhalation

Type of value: LC50

Species: rat

not determined

#### Dermal

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg (other)

Literature data.

#### Assessment other acute effects

No data available.

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

#### Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

#### Eye

Species: rabbit

Result: non-irritant

Method: OECD Guideline 405

#### Sensitization

Assessment of sensitization: Based on available Data, the classification criteria are not met.

Guinea pig maximization test

Species: guinea pig

Result: Non-sensitizing.

Method: OECD Guideline 406

#### Aspiration Hazard

No aspiration hazard expected.

### Chronic Toxicity/Effects

#### Repeated dose toxicity

Assessment of repeated dose toxicity: No data available.

# Safety Data Sheet

## Sokalan® CP 5

Revision date : 2019/11/01  
Version: 6.0

Page: 7/9  
(30042761/SDS\_GEN\_US/EN)

### Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

Genetic toxicity in vitro: Ames-test negative

### Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

### Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

### Teratogenicity

Assessment of teratogenicity: No data available.

## Symptoms of Exposure

(Further) symptoms and / or effects are not known so far

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## 12. Ecological Information

### Toxicity

#### Toxicity to fish

LC50 (96 h) > 100 mg/l, *Leuciscus idus*

#### Aquatic invertebrates

EC50 (48 h) > 100 mg/l, *Daphnia magna* (DIN 38412 Part 11)

#### Aquatic plants

EC10 (96 h) > 500 mg/l, *Scenedesmus subspicatus* (DIN 38412 Part 9)

EC50 (96 h) > 100 mg/l

#### Chronic toxicity to fish

No observed effect concentration (42.0 d) 100 mg/l, *Brachydanio rerio* (OECD Guideline draft, Flow through.)

#### Chronic toxicity to aquatic invertebrates

No observed effect concentration (21 d) > 1 mg/l, *Daphnia magna* (OECD Guideline 202, part 2)

## Microorganisms/Effect on activated sludge

### Toxicity to microorganisms

DEV-L2 activated sludge, domestic, adapted/EC10: > 1,000 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

## Persistence and degradability

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

The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge.

### Elimination information

# Safety Data Sheet

## Sokalan® CP 5

Revision date : 2019/11/01

Version: 6.0

Page: 8/9

(30042761/SDS\_GEN\_US/EN)

> 70 % COD reduction (28 d) Easily eliminated from water.

### Mobility in soil

#### Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is possible.

### Additional information

#### Sum parameter

Chemical oxygen demand (COD): approx. 365 mg/g

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:

Do not release untreated into natural waters.

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## 13. Disposal considerations

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

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

### **Container disposal:**

Dispose of in accordance with national, state and local regulations.

RCRA:           None

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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

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## 15. Regulatory Information

### Federal Regulations

Registration status:



# Safety Data Sheet

## Sokalan® CP 5

Revision date : 2019/11/01  
Version: 6.0

Page: 9/9  
(30042761/SDS\_GEN\_US/EN)

Chemical TSCA, US released / listed

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

**NFPA Hazard codes:**

Health: 1 Fire: 1 Reactivity: 0 Special:

**HMIS III rating**

Health: 1 Flammability: 1 Physical hazard: 0

## 16. Other Information

**SDS Prepared by:**

BASF NA Product Regulations  
SDS Prepared on: 2019/11/01

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