

# Safety Data Sheet

## Sokalan® HP 50

Revision date : 2015/04/15

Page: 1/9

Version: 2.2

(30042848/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Sokalan® HP 50

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

Recommended use\*: Polymer; Raw material

\* 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

Chemical family: powder dispersion

---

### 2. Hazards Identification

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

#### Classification of the product

Combustible Dust      Combustible Dust (1)      Combustible Dust

#### Label elements

Signal Word:  
Warning

Hazard Statement:

# Safety Data Sheet

## Sokalan® HP 50

Revision date : 2015/04/15  
Version: 2.2

Page: 2/9  
(30042848/SDS\_GEN\_US/EN)

May form combustible dust concentration in air.

### Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

### Emergency overview

CAUTION:

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
INGESTION MAY CAUSE GASTRIC DISTURBANCES.

Avoid inhalation of dusts.

Use with local exhaust ventilation.

Wear protective clothing.

---

## 3. Composition / Information on Ingredients

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

This product does not contain any components classified as hazardous under the referenced regulation.

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
Trade Secret	90.0 - 100.0 %	Pyrrole polymer
Trade Secret	1.0 - 5.0 %	Cyclic Amide
7732-18-5	1.0 - 5.0 %	Water

---

## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Keep patient calm, remove to fresh air. Assist in breathing if necessary. Seek medical attention if necessary.

#### If on skin:

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

#### If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

#### If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention.

# Safety Data Sheet

## Sokalan® HP 50

Revision date : 2015/04/15  
Version: 2.2

Page: 3/9  
(30042848/SDS\_GEN\_US/EN)

---

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

Symptoms: No significant symptoms are expected due to the non-classification of the product.  
Hazards: No hazards anticipated.

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

#### Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

---

## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
water spray, foam, dry powder

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
carbon dioxide, cyanides, nitrogen oxides  
The substances/groups of substances mentioned can be released in case of fire.

### Advice for fire-fighters

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

---

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For small amounts: Sweep/shovel up.  
For large amounts: Sweep/shovel up.  
Dispose of absorbed material in accordance with regulations.

---

## 7. Handling and Storage

### Precautions for safe handling

Ensure adequate ventilation. Avoid the formation and deposition of dust.

Protection against fire and explosion:

# Safety Data Sheet

## Sokalan® HP 50

Revision date : 2015/04/15  
Version: 2.2

Page: 4/9  
(30042848/SDS\_GEN\_US/EN)

The product is capable of dust explosion. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

### Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Containers should be stored tightly sealed in a dry place. Protect against heat.

## 8. Exposure Controls/Personal Protection

### Advice on system design:

Provide local exhaust ventilation to control dust.

### Personal protective equipment

#### Respiratory protection:

Breathing protection if dusts are formed. Wear a NIOSH-certified (or equivalent) particulate respirator.

#### Hand protection:

Chemical resistant protective gloves

#### Eye protection:

Safety glasses with side-shields.

#### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to minimize contact. Avoid inhalation of dust. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

Form:	powder	
Odour:	faint specific odour	
Odour threshold:		No data available.
Colour:	white to cream	
pH value:	3.0 - 7.0	( 10 %(m), 20 °C) (Ph. Eur. 2.2.3)
melting point (decomposition):	>= 130 °C	
Boiling point:		not applicable
Flash point:	> 215 °C	(DIN 51755)
Flammability:	not highly flammable	(other)
Upper explosion limit:		not determined
Autoignition:	approx. 420 °C	(DIN 51794)
Vapour pressure:		not applicable
Relative density:		No data available.
Bulk density:	approx. 350 - 550 kg/m <sup>3</sup>	(DIN EN ISO 60)
Vapour density:		not applicable
Self-ignition temperature:		not self-igniting
Thermal decomposition:	30 - 350 °C (DSC (DIN 51007)) No exothermic decomposition within the mentioned temperature range.	

# Safety Data Sheet

## Sokalan® HP 50

Revision date : 2015/04/15  
Version: 2.2

Page: 5/9  
(30042848/SDS\_GEN\_US/EN)

Viscosity, dynamic:	not applicable, the product is a solid
Solubility in water:	fully soluble
Miscibility with water:	soluble
Solubility (qualitative):	soluble
	solvent(s): organic solvents,
Evaporation rate:	not applicable

### 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

Minimum ignition energy:

10 - 30 mJ (VDI 2263, sheet 1, 2.5)

Formation of                      Remarks:

flammable gases:

Forms no flammable gases in the presence of water.

#### Chemical stability

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

#### Possibility of hazardous reactions

Dust explosion hazard.

#### Conditions to avoid

Avoid dust formation.

#### Incompatible materials

No substances known that should be avoided.

#### Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:

30 - 350 °C, 2 K/min (DSC (DIN 51007))

No exothermic decomposition within the mentioned temperature range.

### 11. Toxicological information

#### Primary routes of exposure

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

# Safety Data Sheet

## Sokalan® HP 50

Revision date : 2015/04/15  
Version: 2.2

Page: 6/9  
(30042848/SDS\_GEN\_US/EN)

### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation.

Ingestion may cause gastrointestinal disturbances. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg (BASF-Test)

### Inhalation

Type of value: LC50

Species: rat

Value: > 5.2 mg/l (OECD Guideline 403)

Exposure time: 4 h

### Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

### Irritation / corrosion

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

### Skin

Species: rabbit

Result: non-irritant

Method: Draize test

### Eye

Species: rabbit

Result: non-irritant

Method: Draize test

### Sensitization

Assessment of sensitization: The chemical structure does not suggest a sensitizing effect.

### Aspiration Hazard

No aspiration hazard expected.

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: None known

### Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in studies with mammals.

### Carcinogenicity

Assessment of carcinogenicity: In long-term animal studies in which the substance was given in high doses by feed, a carcinogenic effect was not observed.

### Reproductive toxicity

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

# Safety Data Sheet

## Sokalan® HP 50

Revision date : 2015/04/15  
Version: 2.2

Page: 7/9  
(30042848/SDS\_GEN\_US/EN)

### Teratogenicity

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies.

### Other Information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### **Symptoms of Exposure**

No significant symptoms are expected due to the non-classification of the product.

---

## 12. Ecological Information

### **Toxicity**

#### Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

#### Toxicity to fish

LC50 (96 h) > 10,000 mg/l, *Leuciscus idus* (DIN 38412 Part 15, static)

### **Microorganisms/Effect on activated sludge**

#### Toxicity to microorganisms

OECD Guideline 209 aerobic

activated sludge, industrial/EC20 (0.5 h): > 1,995 mg/l

### **Persistence and degradability**

#### Elimination information

< 10 % DOC reduction (15 d) (OECD Guideline 302 B) (aerobic, activated sludge, industrial) Poorly eliminated from water.

### **Bioaccumulative potential**

#### Bioaccumulation potential

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

### **Mobility in soil**

#### Assessment transport between environmental compartments

No data available.

### **Additional information**

The product contains:  $\geq 0 - < 1$  (W/W) PPM Iron,  $\geq 0 - < 1$  (W/W) PPM copper,  $\geq 0 - < 1$  (W/W) PPM chromium

# Safety Data Sheet

## Sokalan® HP 50

Revision date : 2015/04/15  
Version: 2.2

Page: 8/9  
(30042848/SDS\_GEN\_US/EN)

Other ecotoxicological advice:  
Ecological data are determined by analogy.

### 13. Disposal considerations

**Waste disposal of substance:**

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

**Container disposal:**

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

### 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

### 15. Regulatory Information

**Federal Regulations**

**Registration status:**

Chemical TSCA, US released / listed

Cosmetic TSCA, US released / exempt

**EPCRA 311/312 (Hazard categories):** Fire (Combustible Dust);

**State regulations**

**State RTK**

MA, PA

**CAS Number**

Trade Secret

**Chemical name**

Cyclic Amide

**CA Prop. 65:**

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

**NFPA Hazard codes:**

Health : 1 Fire: 1 Reactivity: 0 Special:

# Safety Data Sheet

## Sokalan® HP 50

Revision date : 2015/04/15  
Version: 2.2

Page: 9/9  
(30042848/SDS\_GEN\_US/EN)

---

### HMIS III rating

Health: 1      Flammability: 1      Physical hazard: 0

---

## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2015/04/15

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

---

Sokalan® HP 50 is a registered trademark of BASF Corporation or BASF SE  
IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED  
HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE , IT IS  
PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT  
PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO  
DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR  
TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING  
WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE  
MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET  
FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED  
WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE  
SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED  
A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY  
UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION  
FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO  
OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION  
GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.  
END OF DATA SHEET