1. Identification

Product identifier used on the label

Sokalan® CP 12 S

Recommended use of the chemical and restriction on use

Recommended use*: Raw material; Chemical

* 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: Polymer based on:
Synonyms: Tamol HC 9823 X

2. Hazards Identification


Classification of the product

| Met. Corr. | 1 | Corrosive to metals |
| Skin Sens. | 1 | Skin sensitization |

Label elements

Pictogram:
Signal Word:
Warning

Hazard Statement:
H290 May be corrosive to metals.
H317 May cause an allergic skin reaction.

Precautionary Statements (Prevention):
P280 Wear protective gloves.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P234 Keep only in original container.

Precautionary Statements (Response):
P333 + P311 If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.
P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P390 Absorb spillage to prevent material damage.

Precautionary Statements (Storage):
P406 Store in corrosive resistant/… container with a resistant inner liner.

Precautionary Statements (Disposal):
P501 Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified
No specific dangers known, if the regulations/notes for storage and handling are considered.

Labeling of special preparations (GHS):
The following percentage of the mixture consists of component(s) with unknown hazards regarding the acute toxicity: 50 %

3. Composition / Information on Ingredients


<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Weight %</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-16-7</td>
<td>0.1 - 1.0%</td>
<td>maleic acid</td>
</tr>
</tbody>
</table>


in water

4. First-Aid Measures

Description of first aid measures
General advice:
Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air, seek medical attention.

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:
Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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:
No data available.

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.

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.

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

Storage stability:
Storage temperature: 5 - 25 °C
Protect from temperatures below: 5 °C
The product can crystallize below the limit temperature.
Protect from temperatures above: 25 °C
Properties of the product change irreversibly on exceeding the limit temperature.

### 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

**Personal protective equipment**

**Respiratory protection:**
Respiratory protection in case of vapour/aerosol release.

**Hand protection:**
Chemical resistant protective gloves

**Eye protection:**
Safety glasses with side-shields.

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

**General safety and hygiene measures:**
Wearing of closed work clothing is required additionally to the stated personal protection equipment.
No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and Chemical Properties

**Form:** liquid
10. Stability and Reactivity

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:
Corrosion rate > 6.25 mm/a using a Type 3 test steal.

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.
The product is chemically stable.

Conditions to avoid
No special precautions other than good housekeeping of chemicals. See MSDS section 7 - Handling and storage.

**Incompatible materials**
non-coated metals, carbon steel (iron), light metals, strong bases, strong acids, mild steel, reactive chemicals

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

Thermal decomposition:
> 150 °C

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**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**

**Acute toxicity**
Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

**Oral**
Type of value: LD50
Species: rat
Value: > 2,000 mg/kg

**Inhalation**
Type of value: ATE
Value: > 20 mg/l
Determined for vapor

Type of value: ATE
Value: > 5 mg/l
Determined for mist

**Dermal**
Type of value: ATE
Value: > 5,000 mg/kg

**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: Sensitization after skin contact possible.

Information on: maleic acid
Assessment of sensitization:
Sensitization after skin contact possible. EU-classification Animal studies do not exclude a sensitizing potential. Human data are not available.

Aspiration Hazard
No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity
Assessment of repeated dose toxicity: No data available.

Genetic toxicity
Assessment of mutagenicity: No data available.

Carcinogenicity
Assessment of carcinogenicity: No data available.

Reproductive toxicity
Assessment of reproduction toxicity: No data available.

Teratogenicity
Assessment of teratogenicity: No data available.

Other Information
The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

Symptoms of Exposure
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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.

Toxicity to fish
LC50 (96 h) > 100 mg/l, Leuciscus idus
Aquatic invertebrates
LC50 (48 h), daphnia
not determined

Aquatic plants
EC50 (72 h), algae
not determined

Chronic toxicity to fish
No data available.

Chronic toxicity to aquatic invertebrates
No data available.

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 (H2O)
The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge.

Elimination information

20 - 70 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, industrial) Moderately/partially eliminated from water.

Bioaccumulative potential

Assessment bioaccumulation potential
Accumulation in organisms is not to be expected.

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
The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is possible.

Additional information

The product contains: < 10 (W/W) PPM Iron, < 10 (W/W) PPM zinc

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:
The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition. Do not release untreated into natural waters.
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 a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport Information

**Land transport**
USDOT

- Hazard class: 8
- Packing group: III
- ID number: UN 3265
- Hazard label: 8
- Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (contains MALEIC ACID POLYMER WITH ACRYLIC ACID)

**Sea transport**
IMDG

- Hazard class: 8
- Packing group: III
- ID number: UN 3265
- Hazard label: 8
- Marine pollutant: NO
- Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (contains MALEIC ACID POLYMER WITH ACRYLIC ACID)

**Air transport**
IATA/ICAO

- Hazard class: 8
- Packing group: III
- ID number: UN 3265
- Hazard label: 8
- Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (contains MALEIC ACID POLYMER WITH ACRYLIC ACID)

15. Regulatory Information

**Federal Regulations**

Registration status: Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute;
16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2016/12/21

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