1. Identification

Product identifier used on the label

Sokalan® VA 64 P

Recommended use of the chemical and restriction on use
Recommended use*: Polymer; 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
Chemical family: powder dispersion

2. Hazards Identification


Classification of the product

Combustible Dust
Combustible Dust (1)
Combustible Dust

Label elements

Signal Word:
Warning

Hazard Statement:
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.


Emergency overview

CAUTION:
CAN FORM EXPLOSIVE DUST-AIR MIXTURES.
Product may present a nuisance dust hazard.
Avoid inhalation of dusts.
Use with local exhaust ventilation.
Wear suitable protective clothing, gloves and eye/face protection.

3. Composition / Information on Ingredients


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


<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>25086-89-9</td>
<td>95.0 - 100.0 %</td>
<td>Polyvinylpyrrolidone-vinyl acetate copolymer</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>0.0 - 5.0 %</td>
<td>Water</td>
</tr>
</tbody>
</table>

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. Obtain medical attention.

If on skin:
Wash thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek immediate medical attention.

If swallowed:
Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.
5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
carbon dioxide, dry powder, foam, water spray

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
carbon dioxide, nitrous gases, cyanides

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.

Use personal protective clothing. Ensure adequate ventilation. Use breathing apparatus if exposed to vapours/dust/aerosol.

Environmental precautions

Do not empty into drains.

Methods and material for containment and cleaning up

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

7. Handling and Storage

Precautions for safe handling

Avoid dust formation. Take precautionary measures against static discharges. Handle in accordance with good industrial hygiene and safety practice.

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

Protection against fire and explosion:
The relevant fire protection measures should be noted.

**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.

Storage stability:
Avoid prolonged storage at high temperatures.

### 8. Exposure Controls/Personal Protection

**Components with occupational exposure limits**

<table>
<thead>
<tr>
<th>Particles, not otherwise specified, inhalable</th>
<th>OSHA PEL</th>
<th>PEL 15 mg/m³ Total dust</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ACGIH TLV TWA value 10 mg/m³ Inhalable particles</td>
<td></td>
</tr>
</tbody>
</table>

**Advice on system design:**
Provide local exhaust ventilation to control dust.

**Personal protective equipment**

**Respiratory protection:**
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

**Hand protection:**
Chemical resistant protective gloves

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

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

**General safety and hygiene measures:**
Avoid inhalation of dusts. Wear protective clothing as necessary to minimize contact. Wash soiled clothing immediately.

### 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form:</strong></td>
<td>powder</td>
</tr>
<tr>
<td><strong>Odour:</strong></td>
<td>faint specific odour</td>
</tr>
<tr>
<td><strong>Odour threshold:</strong></td>
<td>white to cream</td>
</tr>
<tr>
<td><strong>Colour:</strong></td>
<td>3.8 - 6.0</td>
</tr>
<tr>
<td><strong>pH value:</strong></td>
<td>140 °C</td>
</tr>
<tr>
<td><strong>Melting point:</strong></td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Boiling temperature:</strong></td>
<td>not applicable</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
<td>215 °C</td>
</tr>
<tr>
<td><strong>Flammability:</strong></td>
<td>not readily ignited</td>
</tr>
<tr>
<td><strong>Lower explosion limit:</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Upper explosion limit:</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Autoignition:</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Vapour pressure:</strong></td>
<td>not applicable</td>
</tr>
<tr>
<td><strong>Density:</strong></td>
<td>No data available</td>
</tr>
</tbody>
</table>
### 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, Inductivity: 1 mH (VDI 2263, sheet 1, 2.1.1)
The product is capable of dust explosion.

**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:
>= 140 °C

### 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:** > 10,000 mg/kg (BASF-Test)

**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:** BASF-Test

**Eye**
**Species:** rabbit
**Result:** non-irritant
**Method:** BASF-Test

**Sensitization**
Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

**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 known chronic effects.

**Genetic toxicity**
Assessment of mutagenicity: No mutagenic effect was found in various tests with bacteria and mammalian cell culture. 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: No data available. Repeated oral uptake of the substance did not cause damage to the reproductive organs.

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, Brachydanio rerio (OECD Guideline 203, static)

Aquatic invertebrates
EC50 (48 h) > 100 mg/l, Daphnia magna (Directive 79/831/EEC, static)

Aquatic plants
EC50 (72 h) > 100 mg/l (biomass), Scenedesmus subspicatus (OECD Guideline 201, static)

Persistence and degradability
Assessment biodegradation and elimination (H2O)
Poorly eliminated from water.

Elimination information
approx. 20 - 30 % DOC reduction (15 d) (OECD Guideline 302 B) (aerobic, activated sludge, adapted) 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**

Other ecotoxicological advice:
Ecological data are determined by analogy.

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**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.

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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:**
Chemical TSCA, US released / listed
Cosmetic TSCA, US released / exempt

**EPCRA 311/312 (Hazard categories):** Not hazardous;

**State regulations**

**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:
16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2015/03/09

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.