



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

# VIVASTAR CS INSTANT Powder

Sodium Carboxymethyl Starch

CAS No.: 9063-38-1  
EC No.: 618-597-7  
INDEX No.: not relevant  
REACH No.: Do not require registration

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses:** The product is intended for professional use.  
Sector of uses [SU]: Cosmetics, personal care

**Uses advised against:** not relevant

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

J.RETTENMAIER & SÖHNE GMBH + CO KG

Holzmühle 1  
D 73494 Rosenberg  
Germany

**Telephone:** +49 (0) 7967 152 0

**Telefax:** +49 (0) 7967 152 222

#### Information contact

Information

**Information telephone:** +49 7967 152 0

**Information telefax:** +49 7967 152 222

**E-mail (competent person):** [Reinhard.Kurz@jrs.de](mailto:Reinhard.Kurz@jrs.de)

**Website:** [www.jrs.de](http://www.jrs.de)

### 1.4. Emergency telephone number

**Telephone:** +49 7967 152 199

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP): not relevant

### 2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
not relevant

### 2.3. Other hazards

This material is combustible, but will not ignite readily.  
In case of fire may be liberated: Carbon monoxide. Carbon dioxide.  
Danger of dust explosion.  
Special danger of slipping by leaking/spilling product.  
Damage can be caused through mechanical influence of the product (e.g. sticking)  
Slightly hazardous to water (WGK 1).

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

Cross-linked low substituted Carboxymethylether of Potato starch  
INCI: Sodium Carboxymethyl Starch  
CAS No.: 9063-38-1  
EC-No.: 618-597-7  
INDEX-No.: not relevant  
Dangerous contamination: Ethanol, < 3 %

### 3.2. Mixtures

**Composition/information on ingredients**  
not relevant

**Substance with a common (EC) occupational exposure limit value**  
not relevant

(Full text of H- and EUH-phrases: see section 16.)

#### **Additional information**

The substance does not require registration according to REACH.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information:** When in doubt or if symptoms are observed, get medical advice.  
**Following inhalation:** Provide fresh air.  
**Following skin contact:** After contact with skin, wash immediately with plenty of water and soap.  
In case of skin irritation, consult a physician.  
**After eye contact:** Rinse immediately carefully and thoroughly with eye-bath or water.  
In case of eye irritation consult an ophthalmologist.  
**After ingestion:** Rinse mouth immediately and drink plenty of water.

**Self-protection of the first aider:** Pay attention to self-protection!

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

**Symptoms:** No known symptoms to date.  
**Nature of Hazard:** not relevant

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

**Notes for the doctor:** Treat symptomatically.  
**Special treatment:** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media:** Water. Carbon dioxide. Foam. Extinguishing powder.

**Unsuitable extinguishing media:** High power water jet.

### 5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide. Carbon dioxide.

Danger of dust explosion.

### 5.3. Advice for firefighters

#### General information

Special danger of slipping by leaking/spilling product.

#### Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Do not allow run-off from fire-fighting to enter drains or water courses.

Fire class A (Fires of solids, mainly organic nature, which normally burn down under glow forming).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Avoid generation of dust.

For emergency responders:

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Avoid generation of dust.

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

Take up mechanically.

Avoid generation of dust.

Wash with plenty of water.

### 6.4. Reference to other sections

Disposal: see section 13.

Personal protection equipment: see section 8

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advices on safe handling

Avoid generation of dust.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

#### Technical measures

Measures to prevent aerosol and dust generation:

Provide adequate ventilation as well as local exhaustion at critical locations.

Vapours/aerosols should be exhausted directly at the point of origin.

### Precautions against fire and explosion

The product is: Combustible.

Danger of dust explosion.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Have fire-extinguishers in readiness before opening containers.

### Additional information

Recommendations for handling:

210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. - No smoking.

240 Ground/bond container and receiving equipment.

241 Use explosion-proof electrical/ventilating/lighting equipment.

280 Wear protective gloves/protective clothing/eye protection/face protection.

## 7.2. Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

### Packaging materials

not relevant

### Requirements for storage rooms and vessels

not relevant

### Hints on joint storage

Do not store together with: Oxidising agent

Storage class: 11 Combustible solids.

### Further information on storage conditions

Protect against: Humidity

Storage temperature: not relevant

Relative air humidity (%): not relevant

Storage stability: at least 2 years

Maximum storage period (time): not relevant

## 7.3. Specific end use(s)

not relevant

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit value

Substance:	CAS-No.:	Source:	Long-term occupational exposure limit value:	Short-term occupational exposure limit value:	Remark:
Ethanol	64-17-5	GESTIS	1880 mg/m <sup>3</sup>		OEL AU
Ethanol	64-17-5	GESTIS	1000 ppm		OEL CA - Ontario
Ethanol	64-17-5	GESTIS	1920 mg/m <sup>3</sup>		OEL GB
Ethanol	64-17-5	GESTIS	1000 ppm		OEL IE
Ethanol	64-17-5	GESTIS	1880 mg/m <sup>3</sup>		OEL NZ
Ethanol	64-17-5	GESTIS	1900 mg/m <sup>3</sup>		OEL USA - NIOSH OEL USA - OSHA

#### Substance with a common (EC) occupational exposure limit value

not relevant

#### DNEL Value

Substance:	CAS-No.:	DNEL/DMEL	Worker	Consumer
Ethanol	64-17-5	Inhalation long term (systemic effects)	950 mg/m <sup>3</sup>	114 mg/m <sup>3</sup>
Ethanol	64-17-5	Dermal long term (systemic effects)	343 mg/kg bw/day	206 mg/kg bw/day
Ethanol	64-17-5	Oral long term (systemic effects)	not relevant	87 mg/kg bw/day

### PNEC Value

Substance:	CAS-No.:	PNEC	Limit value	Remark
Ethanol	64-17-5	Fresh water	0.96 mg/L	Assessment factor: 10
Ethanol	64-17-5	Marine water	0.79 mg/L	Assessment factor: 100
Ethanol	64-17-5	STP	580 mg/L	Assessment factor: 10
Ethanol	64-17-5	Sediment (Fresh water)	3.6 mg/kg sediment dw	equilibrium partitioning method
Ethanol	64-17-5	Sediment (Marine water)	2.9 mg/kg sediment dw	equilibrium partitioning method
Ethanol	64-17-5	Soil	0.63 mg/kg soil dw	Assessment factor: 1 000
Ethanol	64-17-5	Secondary poisoning	0.38 g/kg food	Assessment factor: 90

### Risk management measures according to used control banding approach

not relevant

### Additional information

not relevant

## 8.2. Exposure controls

### Occupational exposure controls

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

### General protection and hygiene measures

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

### Personal protection equipment

Respiratory protection necessary at: aerosol or mist formation

### Respiratory protection

Suitable respiratory protection apparatus: Combination filtering device (DIN EN 141)

The filter class must be suitable for the maximum contaminant concentration

(gas/vapour/aerosol/particulates) that may arise when handling the product.

If the concentration is exceeded, self-contained breathing apparatus must be used!

### Hand protection

Hand protection is not required

### Eye/face protection

Dust protection eye glasses.

### Body protection

not applicable.

### Environmental exposure controls

Do not allow to enter into surface water or drains.

### Consumer exposure controls

not relevant

### Exposure Scenario

not relevant

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state: Powder  
Colour: white  
Odour: odourless  
Odour threshold: not relevant

#### Safety relevant basis data

Parameter		Unit	Remark
Density:			not determined
Bulk density:	700 - 900	g/L	
pH:	5.5 - 7.5		
Melting point/freezing point:			not relevant
Initial boiling point and boiling range:			not relevant
Flash point:			not determined
Flammability (solid, gas):			combustible
Explosivity:			Dust explosive
Lower explosion limit:	30	g/m <sup>3</sup>	
Upper explosion limit:			not determined
Ignition temperature:			not determined
Decomposition temperature:			No data available
Oxidizing potential:			not oxidizing
Vapour pressure:			not determined
Vapour density:			not determined
Evaporation rate:			not determined
Water solubility:			insoluble
Fat solubility:			insoluble
Soluble in:			not relevant
Partition coefficient:			
n-octanol/water:			No data available
Viscosity:			not relevant
Solvent separation test:			No data available
Solvent content:	< 3	%	Ethanol

## 9.2. Other information

The product has not been tested.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

not relevant

### 10.2. Chemical stability

not relevant

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

Do not expose to temperatures exceeding 50°C/122°F.  
Keep away from sources of ignition. - No smoking.

### 10.5. Incompatible materials

Oxidising agent

### 10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide. Carbon dioxide.

#### Additional information

not relevant

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

No information available.

#### Specific symptoms in laboratory animals

No information available.

#### Irritation and etching

##### Irritant effect on the skin

No data available

##### Irritant effect on the eye

No data available

##### Irritant effect on the respiratory tract

No data available

##### Caustic effect

not corrosive

#### Sensitization

not sensitising.

#### Repeated dose toxicity (subacute, subchronic, chronic)

No information available.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Carcinogenicity

No indication of human carcinogenicity.

##### Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

##### Reproductive toxicity

No indications of human reproductive toxicity exist.

#### General remarks

Damage can be caused through mechanical influence of the product (e.g. sticking).

#### Practical experience/human evidence

No information available.

#### Other observations

not relevant

#### Other information

not relevant

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Eco toxicity

No data available

### 12.2. Persistence and degradability

not persistent.

### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

#### 12.4. Mobility in soil

not relevant

#### 12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

#### 12.6. Other adverse effects

not relevant

##### Further ecological information

Do not allow uncontrolled discharge of product into the environment.

##### Further details

not relevant

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Appropriate disposal/Product

Dispose of waste according to applicable legislation.

##### Appropriate disposal / Package

Non-contaminated packages may be recycled.

##### List of proposed waste codes/waste designations in accordance with EWC

**Waste code product:** 07 07 99 - wastes not otherwise specified

**Waste code packaging:** 15 01 06 - mixed packaging

##### Remark

The allocation of waste identity numbers/waste descriptions must be carried out according to the EWC, specific to the industry and process.

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### SECTION 14: Transport information

#### 14.1. UN number

not relevant

#### 14.2. UN proper shipping name

not relevant

#### 14.3. Transport hazard class(es)

not relevant

#### 14.4. Packing group

not relevant

#### 14.5. Environmental hazards

not relevant

#### 14.6. Special precautions for user

##### Land transport (ADR/RID)

**Remark:** No dangerous good in sense of this transport regulation.



**Sea transport (IMDG)**

**Remark:** No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI / IATA-DGR)**

**Remark:** No dangerous good in sense of this transport regulation.

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

**Remark:** not relevant

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**SECTION 15: Regulatory information**

**Labelling**

**Hazardous component(s) for labelling**

not relevant

**Special labelling of particular preparations**

not relevant

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU legislation**

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

Contains: Ethanol.

**Regulation (EC) No 2037/2000 concerning materials, which cause damage to the ozone layer.**

not relevant

**Regulation (EC) No. 648/2004 (Detergents regulation)**

not relevant

**National regulations**

Observe in addition any national regulations!

**Restrictions of occupation**

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe employment restrictions for women of child-bearing age.

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

**Storage class**

11 Combustible solids.

**Water hazard class (WGK)**

Slightly hazardous to water (WGK 1).

**Other regulations, restrictions and prohibition regulations**

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

**15.2. Chemical Safety Assessment**

not relevant

## SECTION 16: Other information

### Relevant H- and EUH-phrases (Number and full text)

not relevant

### Training advice

not relevant

### Recommended restrictions of use

not relevant

### Further remarks

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge.

The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal.

The information cannot be transferred to other products.

In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

### Documentation of changes

| Data changed compared with the previous version

### Key literature references and sources for data

Data arise from reference works and literature.

GESTIS- substances database

Regulation (EC) 1272/2008 [CLP]

### Abbreviations and acronyms

EWC= European Waste Catalogue