

Material safety data sheet VIVASTAR®



Type A (Ph. Eur.)

Version: 4

Issued/Modified: 14.01.2004

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1. Material/production and company name

Commercial product name:

VIVASTAR® P, PSF

Sodium Starch Glycolate Type A (Ph. Eur.)

Other names: Sodium Starch Glycolate (Ph. Eur., NF)
Carboxymethylamidon Sodique (Ph. Fr.)
Sodium Carboxymethylstarch (JPE)
Carboxymethylamylum natricum (Ph. Eur.)

Indications about the producer/supplier:

JRS PHARMA GMBH + CO.KG

A Member of the JRS Group

Holzmühle 1

D-73494 Rosenberg

Tel.: +49(0) 79 67 / 152-0 Fax: 152-222

Manufacturing site:

CHP Carbohydrate Pirna GmbH & Co. KG

A Member of the JRS Group

Lohmener Straße 12

D-01796 Pirna

Tel.: +49(0) 35 01 / 52 88 52 Fax: 52 87 43

2. Composition/information on ingredients

Chemical characterization: VIVASTAR® P products are cross-linked, low substituted carboxymethylether of potato starch.

CAS-no.: 9063-38-1

EINECS-no.: not available

3. Hazards identification

Hazard class: Not regulated.
Health hazard: May be harmful if ingested in great quantity. May be irritating to eyes and if inhaled as dust.

4. First aid measures

General information: Non-hazardous.
After contact with eyes: Irrigate thoroughly with water. If discomfort persists obtain medical attention.
After contact with skin: Wash off thoroughly with soap and water.
After ingestion: No hazard anticipated from ingestion incidental to industrial exposure. Wash out mouth thoroughly with water. In severe cases obtain medical attention.
After inhalation: Non-hazardous; nuisance dust. Remove from exposure. If irritation persists obtain medical attention.

5. Fire-fighting measures

Special protective equipment for firefighting: Normal precautions against smoke inhalation

Further information

Hazardous decomposition: CO₂, H₂O, ash and typical combustion by-products.
Fire and explosion hazards: Dust explosion hazard. Avoid conditions of ignition at higher dust concentrations.

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6. Accidental release measures

Personal precautions: Dust mask, gloves, overalls and goggles recommended.
Environmental precautions: Non-hazardous. Spills of this material are not subject to any special reporting requirements under current environmental legislation in either the U.S.A. or European Union.
Methods for cleaning up/
taking up: Pick up dry and rinse away any remaining powder with water.

7. Handling and storage

Handling

Advice on safe handling: Avoid conditions of dust concentration. Dust mask, gloves, overalls and goggles recommended.
Advice on protection against fire and explosion: Handling and cleaning procedures should minimize any dust creation.

Storage

Keep containers closed. Protect from moisture and excessive heat.
Shelf life stability: 4 years
Storage class: Not available.

8. Exposure controls/personal protection

Occupational exposure limits: Non-hazardous nuisance dust. OSHA Permissible Exposure Limit (PEL) for nuisance dusts: 15 mg/m³ total dust and 5 mg/m³ respirable fraction.
Engineering measures: Use local ventilation. Dusting may occur.
Personal protective equipment: Respiratory: Dust mask recommended.
Hand: Gloves recommended.
Eye: Goggles recommended.
Other: Overalls recommended.
Hygiene measures: Do not eat or drink during work time. Keep away from foodstuffs and beverages. Wash hands before and after work.

9. Physical and chemical properties

Appearance

Form: fine powder
Colour: white to off-white
Odour: odourless

Data relevant to safety

pH: in the range of 5.5 - 7.5
Melting point: Does not melt, but chars at about 200 °C.
Ignition temperature: not measured
Explosion limit for dust: not measured
Bulk density: 0,7 – 0,9 g/ml
Solubility: Insoluble in organic solvents, it swells in contact with water. A 2 % w/v aqueous suspension forms a sedimented gel.

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10. Stability and reactivity

Stability:	Stable under recommended conditions of storage (see 7.).
Conditions to avoid:	High temperature; high humidity.
Materials to avoid:	Oxidizing substances.
Recommended materials for process/handling equipment:	Normal materials used in the construction of processing equipment for the food/pharmaceutical industries.

11. Toxicological information

Short term:	None known.
Eyes:	No hazard anticipated incidental to industrial exposure. None known.
Skin:	No hazard anticipated incidental to industrial exposure. Mechanical irritant. May cause scratching to eye surfaces. None known.
Ingestion:	No hazard anticipated incidental to industrial exposure. None known.
Inhalation:	No hazard anticipated incidental to industrial exposure. None known.
Long term effects:	No hazard anticipated incidental to industrial exposure. None known.

12. Ecological information

Degradability:	Product is good biodegradable.
Aquatic toxicity:	None known.

13. Disposal considerations

Product:	May be disposed of in accordance with local regulations.
Uncleaned packaging:	May be disposed of in accordance with local and other regulations.

14. Transport information

Transport:	GGVSee/IMDG-Code: -- UN-Nr.: --- ICAO/IATA-DGR: --- GGVE/GGVS: --- RID/ADR: --- ADNR: ---
Other information:	Transportation of VIVASTAR® has to be sealed, dry and protected from water and heat. Mail transport permissible.
Transport hazard symbol:	None

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15. Regulatory information

Supply classification:	Not required.
Hazard pictogram:	Not required.
Risk phrases:	This material is generally regarded as safe when handled and used in an appropriate manner.
Safety phrases:	This material is generally regarded as safe when handled and used in an appropriate manner.
Other applicable regulations:	None known.

16. Other information

The above information is believed to be correct but is not purported to be all inclusive and shall be used as a guide. CHP shall not be held liable for any damage resulting from handling or from contact with the above product.