

JH Nanhang Life Sciences Co., Ltd.

Material Safety Data Sheet

(according to Reg. EU 1907/2006/EC, Article 31, amended by Regulation (EU) No. 453/2010)



First issued: Jan 1, 2009

Last updated: Mar 11, 2015

Product: **CROSPVIDONE (PVPP) XL**

Version: 2.0

1. Substance/preparation and company name

CROSPVIDONE (PVPP) XL

Company:

JH Nanhang Life Sciences Co., Ltd.

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2. Composition/information on ingredients

Chemical nature:

Polyvinylpyrrolidone (crosslinked)

CAS-No. 9003-39-8

EINECS-No. – (Polymer; starting materials listed in: EINECS)

INCI-name: CROSPVIDONE

3. Possible hazards

Critical hazards to man and the environment: none

4. First aid measures

No special measures necessary.

5. Fire fighting measures

Suitable extinguishing media: water spray

The following can be given off in a fire: nitrogen oxides (NO_x), carbondioxide (CO₂), hydrogen cyanide

Special protective equipment: In case of fire, wear a self contained breathing apparatus.

Further information: Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

6. Accidental release measures

Personal precautions: Avoid dust formation.

Environmental precautions: No special measures necessary.

Methods for cleaning up: Sweep/shovel up; Avoid dust formation.



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7. Handling and storage

Handling

Protection against fire and explosion: Avoid dust formation.

Take precautionary measures against static discharges.

The usual precautions for the handling of chemicals must be observed.

Storage

Keep tightly sealed.

Keep in a dry place.

8. Exposure controls and personal protection

Components with workplace control parameters

Product contains as residual monomer(s):
1-vinyl-2-pyrrolidone (traces)

Personal protective equipment

Respiratory protection: not necessary

Hand protection: not necessary

Eye protection: not necessary

General safety and hygiene measures:

The usual precautions for the handling of chemicals must be observed.

9. Physical and chemical properties

Form: powder

Colour: white to off-white

Odour: faint specific odour

Change in physical state

Melting point/melting range: ≥ 220 °C

Ignition temperature: 440 °C

Bulk density: 0.25-0.4g/cm³

Solubility in water: insoluble

Solubility in other solvents: insoluble

10. Stability and reactivity

Thermal decomposition: ≥ 220 °C



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Hazardous reactions: dust explosion hazard

Hazardous decomposition products:

None provided product is correctly processed.

11. Toxicological information

Acute toxicity

LD50/oral/rat: > 2 000 mg/kg

Primary skin irritation/rabbit test: non-irritant

Primary mucous membrane irritation/rabbits' eyes test: non-irritant

Additional information

In our experience and according to information available to us the product is not harmful to health provided it is correctly handled and processed according to the given recommendations.

12. Ecological information

Elimination information

Evaluation: Not readily biodegradable. The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

Behaviour and environmental fate

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Ecotoxic effects

Toxicity to fish (acute):

LC50/Leuciscus idus/: > 10 000 mg/l/96h

No Observed Effect Concentration (NOEC): 10 000 mg/l

EC/LC0 (48 h): > 10 000 mg/l

The product was not tested. The statement was derived from products of a similar structure and composition.

Further ecological information

No negative ecological effects are expected according to the present state of knowledge.

13. Disposal considerations

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Product: Must be disposed of by special means, e.g. suitable incineration, in accordance with local regulations.

14. Transport information

Not classified as hazardous under transport regulations.

15. Regulatory information

Labeling according to EEC Directives, not subject to labeling

16. Other information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.