



## 1. Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1 Product identifiers

Product name: Povidone K30

Brand name: KoVidone® K30

CAS-No.: 9003-39-8

REACH Registration No.: A registration number is not available for this substance as polymers are exempted from REACH registration.

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

Identified uses: Laboratory chemicals, Manufacture of substances.

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

Company: Boai NKY Medical Holdings Ltd.

Address: No. 1888 East Wenhua Road, Boai, Jiaozuo, Henan Province, China 454450.

Tel.: +86 391 8696320

Fax: +86 391 8692950

Email address: sales@boai-nky.com

### 1.4 Emergency telephone number

Emergency Phone #: +86 22 58316066

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

### 2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

### 2.3 Other hazards

The product does not contain any substances listed on ECHA Candidate List having endocrine disruptor properties or any substances identified as an endocrine disruptor defined in Regulations (EC) 2017/2100 or (EC) 2018/605.

## 3. Composition/Information on Ingredients

### 3.1 Substances

Synonyms: Polyvinylpyrrolidone, PVP.

Formula: (C<sub>6</sub>H<sub>9</sub>NO)<sub>x</sub>

Chemical name	Registration No.	CAS No.	EC No.	Concentration(%)	Classification	Specific concentration limits; M-Factors; Acute Toxicity Estimates(ATE)
Polyvinylpyrrolidone	N/A	9003-39-8	N/A	>95.0	N/A	-
2-pyrrolidone	N/A	616-45-5	210-483-1	≤3.0	Serious eye damage/eye irritation	-



					Category 2A; Reproductive toxicity Category 1B; H319, H360	
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#### 4. First Aid Measures

##### 4.1 Description of first aid measures

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact**

Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

Unexcreted particles may be phagocytized by cells of the reticuloendothelial system and deposited in storage sites in the liver, spleen, lung, and bone marrow resulting in the storage disease thesaurosis. Severity and symptoms depend on storage site and nature of the particle. Pathological changes are not necessarily attributed to the thesaurosis, but in some cases an inflammation or granulomatoma have occurred.

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

No data available.

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#### 5. Firefighting Measures

##### 5.1 Extinguishing media:

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Carbon oxides, nitrogen oxides (NOx).

##### 5.3 Advice for firefighters

Wear self contained breathing apparatus for firefighting if necessary.

##### 5.4 Further information

No data available.

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#### 6. Accidental Release Measures

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

Avoid dust formation. Avoid breathing vapors, mist or gas.

##### 6.2 Environmental precautions

Do not let product enter drains.

##### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

##### 6.4 Reference to other sections

For disposal see section 13.

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#### 7. Handling and Storage



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### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end uses

No data available.

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## 8. Exposure Controls/Personal Protection

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### 8.1 Control parameters

Components with workplace control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

General industrial hygiene practice.

#### Personal protective equipment

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the Standard EN374 derived from it.

##### Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts is desired, use Type N95 (US) or Type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (RU).

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## 9. Physical and Chemical Properties

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### 9.1 Information on basic physical and chemical properties

a) Physical State	Solid, Powder
b) Colour	White or off white
c) Odour	Faint specific odour
d) Melting point/freezing point	>130°C
e) Boiling point or initial boiling point and boiling range	>130°C (Decomposition)



f) Flammability	Not highly flammable
g) Lower and upper explosion limit	Not applicable
h) Flash point	Not applicable
i) Auto-ignition temperature	Not applicable
j) Decomposition temperature	>130°C
k) pH	3.0~7.0 (1g in 20 mL)
l) Kinematic viscosity	Not applicable
m) Solubility	Fully soluble
n) Partition coefficient n-octanol/water (log value)	Not determined
o) Vapor pressure	Not applicable
p) Density and/or relative density	350-550 kg/m <sup>3</sup> (DIN EN ISO 60)
q) Relative vapor density	Not applicable
r) Particle characteristics	Dv50: 80-90µm (by Malvern 3000)

**9.2 Other information**

**9.2.1 Information with regard to physical hazard classes**

Not applicable. The substance is not classified as physical hazard.

**9.2.2 Other safety characteristics**

No data available.

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**10. Stability and Reactivity**

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

No data available

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

Strong oxidizing agents

**10.6 Hazardous decomposition products**

Other decomposition products-no data available

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**11. Toxicological Information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

LD50 Oral-rat- 100,000mg/kg

Remarks: Diarrhoea

**Skin corrosion/irritation**

Skin-rabbit-No skin irritation



**Serious eye damage/eye irritation**

Eyes-rabbit-No eye irritation

**Respiratory or skin sensitization**

Will not occur

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 3-Group 3: Not classifiable as to its carcinogenicity to humans (1-Ethenyl-2-pyrrolidinone homopolymer).

**Reproductive toxicity**

No data available

**Specific target organ toxicity – single exposure**

No data available

**Specific target organ toxicity – repeated exposure**

No data available

**Aspiration hazard**

No data available

**Potential health effects**

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

**Signs and symptoms of exposure**

Unexcreted particles may be phagocytized by cells of the reticuloendothelial system and deposited in storage sites in the liver, spleen, lung, and bone marrow resulting in the storage disease thesaurosis. Severity and symptoms depend on storage site and nature of the particle. Pathological changes are not necessarily attributed to the thesaurosis, but in some cases an inflammation or granulomatoma have occurred.

**11.2 Information on other hazards**

The product does not contain any substances listed on ECHA Candidate List having endocrine disruptor properties or any substances identified as an endocrine disruptor defined in Regulations (EC) 2017/2100 or (EC) 2018/605.

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**12. Ecological Information**

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**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**



No data available

**12.3 Bioaccumulation potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

No data available

**12.6 Endocrine disrupting properties**

The product does not contain any substances listed on ECHA Candidate List having endocrine disruptor properties or any substances identified as an endocrine disruptor defined in Regulations (EC) 2017/2100 or (EC) 2018/605.

**12.7 Other adverse effects**

No data available.

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**13. Disposal Considerations**

**13.1 Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

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**14. Transport Information**

**14.1 UN number or ID number**

ADR/RID: --            IMDG: --            IATA: --

**14.2 UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**14.3 Transport hazard class(es)**

ADR/RID: --            IMDG: --            IATA: --

**14.4 Packing group**

ADR/RID: --            IMDG: --            IATA: --

**14.5 Environmental hazards**

ADR/RID: --            IMDG: Marine pollutant: no            IATA: --

**14.6 Special precautions for user**

No data available.

**14.7 Maritime transport in bulk according to IMO instruments**

Not harmful goods.

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**15. Regulatory Information**

**This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and**



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### Regulation (EU) 2020/878 .

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance of mixture

No data available

#### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this substance by the supplier.

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### 16 Other Information

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#### **Further information**

*The above information is believed to be correct, but does not intend to be all-inclusive and shall be used only as a guide. This material safety data sheet is based on our current knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any assurances on product properties and does not constitute a contractual legal relationship.*

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