

# Safety data sheet

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BASF Safety data sheet according to 91/155/EEC

Date / Revised: 21.11.2003

Product: **Vitamin B12 1% SD**

Version: 1.0

(30061968/SDS\_GEN\_EU/EN)

Date of print 10.03.2006

## 1. Substance/preparation and company identification

### Vitamin B12 1% SD

Use: Vitamin

Company:

BASF Aktiengesellschaft

67056 Ludwigshafen

Fine Chemicals Division

E-mail address: basis-msds-label.me-qr@basf-ag.de

Emergency information:

Telephone: +49-1802273 112

Telefax number: 0621-60-92664

## 2. Composition/information on ingredients

Chemical nature

Preparation based on: cyanocobalamin (Content (W/W): 1 %)

in a matrix of: maltodextrin

## 3. Hazard identification

No particular hazards known.

## 4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

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On skin contact:  
Wash thoroughly with soap and water.

On contact with eyes:  
Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:  
Rinse mouth and then drink plenty of water.

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## 5. Fire-fighting measures

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

Special protective equipment:  
Wear a self-contained breathing apparatus.

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

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## 6. Accidental release measures

Personal precautions:  
Avoid dust formation.

Methods for cleaning up or taking up:  
For small amounts: Pick up with suitable appliance and dispose of.  
For large amounts: Pick up with suitable appliance and dispose of.  
Avoid raising dust.

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## 7. Handling and storage

### Handling

Protection against fire and explosion:  
Avoid dust formation. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

### Storage

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place. Protect from the effects of light.

Storage stability:  
Storage temperature: 25 °C

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## 8. Exposure controls and personal protection

### Personal protective equipment

Respiratory protection:  
Breathing protection if dusts are formed.

### Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on own tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined in accordance with EN 374.

### Eye protection:

Safety glasses with side-shields (frame goggles) (EN 166)

### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and chemical properties

Form:	powder
Colour:	reddish
Odour:	faint specific odour
Bulk density:	approx. 500 kg/m <sup>3</sup>
Solubility in water:	soluble

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## 10. Stability and reactivity

### Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

### Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological information

Additional 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.

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## 12. Ecological information

### Ecotoxicity

Microorganisms/Effect on activated sludge:

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

### Additional information

Other ecotoxicological advice:

At the present state of knowledge, no negative ecological effects are expected.

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## 13. Disposal considerations

Observe national and local legal requirements.

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## 14. Transport information

Not classified as hazardous under transport regulations ( ADR RID ADNR IMDG/GGVSee ICAO/IATA )

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## 15. Regulatory information

### Regulations of the European union (Labelling) / National legislation/Regulations

not subject to labelling

### Other regulations

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## 16. Other information

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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.