



Safety data sheet according to 1907/2006/EC, Article 31

234800

Revision: 08.04.2011 Printing date: 07.07.2016

01 Identification of the substance/mixture and of the company/undertaking

- · Product identifier
- Trade name:

(Z-Cys-OH)₂

(Disulfide bond)

N,N'-Dibenzyloxycarbonyl-L-cystine

· Article number:

new: 4000631 old: C-3175

• CAS Number:

6968-11-2

· EC number:

230-181-3

- · Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation Laboratory chemicals
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Bachem AG

Hauptstrasse 144

CH-4416 Bubendorf

Switzerland

E-mail msds@bachem.com

Tel +41 58 595 2021

Fax +41 58 595 2040

· Further information obtainable from:

Department: Marketing

• Emergency telephone number:

+41 44 251 51 51 (Tox Info Suisse)

02 Hazards identification

- · Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008 Void
- · Label elements
- · Labelling according to Regulation (EC) No 1272/2008

Void

• Signal word

Void

Hazard statements

Void

- Other hazards
- · Results of PBT and vPvB assessment
- PBT:

Not applicable.

vPvB:

Not applicable.

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03 Composition/information on ingredients

· Chemical characterization: Substances

CAS No. Description 6968-11-2 (Z-Cys-OH)₂

- · Identification number(s)
- EINECS Number: 230-181-3
- · RTECS Number:

-

04 First aid measures

· General information:

No special measures required.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water.

- · After swallowing:
 - Call a doctor immediately.
- · Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

05 Firefighting measures

- · Suitable extinguishing agents:
 - CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture

No further relevant information available

- · Advice for firefighters
- · Protective equipment:

No special measures required.

06 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Not required.
- · Environmental precautions:

No special measures required.

 Methods and material for containment and cleaning up: Pick up mechanically.

07 Handling and storage

- · Handling:
- Precautions for safe handling

Prevent formation of dust.

· Information about fire - and explosion protection:

No special measures required.

- Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.

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- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Store in dry conditions.
- Recommended storage temperature:
- Specific end use(s)

No further relevant information available.

08 Exposure controls/personal protection

- Ingredients with limit values that require monitoring at the workplace:
 Not required.
- · Additional information:

The lists valid during the making were used as basis.

- Personal protective equipment:
- · General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Use suitable respiratory protective device in case of insufficient ventilation.

· Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Protective gloves

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

 Eye protection: Safety glasses

09 Physical and chemical properties

General Information	
Appearance:	
Form:	Powder
Colour:	White
Odour:	Nearly odourless
Odour threshold:	Not determined.
Molecular Weight	508,5700 g/mol
Change in condition	
Melting point/Melting range:	120 ℃
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	Not determined.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.

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Vapour pressure:	Not determined.	
Density:	Not determined.	
Solubility in / Miscibility with		
water:	Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Other information	No further relevant information available.	

10 Stability and reactivity

- · Thermal decomposition / conditions to be avoided:
 - No decomposition if used according to specifications.
- · Possibility of hazardous reactions
- No dangerous reactions known. · Conditions to avoid
- No further relevant information available.
- Incompatible materials:
- No further relevant information available.
- Dangerous decomposition products:
 - No dangerous decomposition products known.

11 Toxicological information

- Acute toxicity:
 - No further relevant information available.
- · Primary irritant effect:
- · on the skin:
 - No further relevant information available.
- · on the eye:
 - No further relevant information available.
- · Sensitization:
 - No sensitizing effects known.
- · Additional toxicological information:
 - The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information

- · Acquatic toxicity:
 - No further relevant information available.
- · Persistence and degradability
 - No further relevant information available.
- · Behaviour in environmental systems:
- · Bioaccumulative potential
 - No further relevant information available.
- · Mobility in soil
 - No further relevant information available.
- Additional ecological information:
- General notes:
 - Not known to be hazardous to water.
- · Results of PBT and vPvB assessment
- · PBT:
 - Not applicable.
- vPvB:
 - Not applicable.
- Other adverse effects

No further relevant information available.

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13 Disposal considerations

- · Waste treatment methods
- Waste disposal key: 18 02 06
- Uncleaned packaging:
- · Recommendation:

Disposal must be made according to official regulations.

14 Transport information

ADR/RID class:

IMDG Class:

ICAO/IATA Class:

- Environmental hazards:
 - Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

15 Regulatory information

· Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing MSDS:
 - Department: Marketing
- · Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

RTECS: Registry of Toxic Effects of Chemical Substances

· * Data compared to the previous version altered.