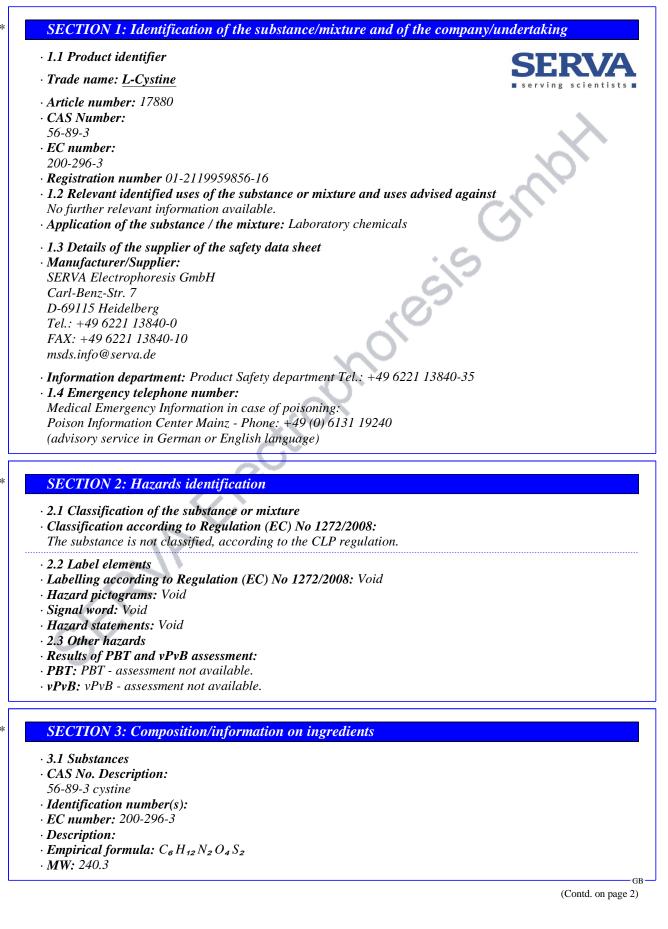
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## **SECTION 4: First aid measures**

- 4.1 Description of 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. Consult doctor if you feel unwell.
- After eye contact:

Rinse opened eye for several minutes under running water. Remove present contact lenses, if easy to do, and continue rinsing. Consult ophthalmologist In case of complaints.

- After swallowing: Wash out the mouth and call a doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### **SECTION 5: Firefighting measures**

- 5.1 Extinguishing media
- Suitable extinguishing agents:
- $CO_2$ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • 5.2 Special hazards arising from the substance or mixture:
- In case of fire, the following can be formed, but not limited to: Nitrogen oxides (NOx) Sulphur oxides (SOx)
- Carbon monoxide and carbon dioxide
- · 5.3 Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.

#### **SECTION 6: Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing. Ensure adequate ventilation Avoid formation of dust.
  6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up Dispose contaminated material as waste according to item 13. Pick up mechanically.
- 6.4 Reference to other sections
   See Section 7 for information on safe handling
   See Section 8 for information on personal protection equipment.
   See Section 13 for disposal information.

#### **SECTION 7: Handling and storage**

- 7.1 Precautions for safe handling: No special measures required.
- · Information about protection against explosions and fires: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities

· Storage

- Requirements to be met by storerooms and receptacles: Do not use light alloy receptacles.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed and store in dry conditions.

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• 7.3 Specific end use(s): No further relevant information available.

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# SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls: No further data; see item 7.
- · Individual protection measures, such as personal protective equipment:
- · General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed.
- Store protective clothing separately.
- Immediately remove all soiled and contaminated clothing
- Avoid contact with the eyes and skin.
- Wash hands before breaks and at the end of work.
- Breathing equipment: Suitable respiratory protective device recommended.
- Hand protection:

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

• 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.

- $\cdot$  Penetration time of glove material:
- The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- · For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:
- Nitrile rubber, NBR Natural rubber, NR
- Eye/face protection: Safety glasses
- Body protection: Protective work clothing.
- **SECTION 9: Physical and chemical properties**

General Information:	C - 1: 1	
Physical state:	Solid.	
Colour:	White	
Odour:	Characteristic	
Odour threshold:	no information available	
Melting point/freezing point:	240 °C	
Boiling point or initial boiling point and	l boiling	
range:	no information available	
Flammability:	no information available	
Lower and upper explosion limit:		
Lower:	no information available	
Upper:	no information available	
Flash point:	no information available	
Decomposition temperature:	no information available	
Viscosity:		
Kinematic viscosity:	no information available	

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· Dynamic viscosity:	no information available	
· Solubility:		
· Water:	no information available	
· Partition coefficient n-octanol/water (log value):	no information available	
· Vapour pressure:	no information available	
· Density and/or relative density:	-	
· Density:	no information available	
· Relative density:	no information available	
Particle characteristics	No information available	
· 9.2 Other information		
· Appearance:		
· Form:	Powder	
· Important information on protection of health and	1	
environment, and on safety:		
· Ignition temperature:	no information available	
· Explosive properties:	no information available	

### SECTION 10: Stability and reactivity

- 10.1 Reactivity: No further relevant information available.
- · 10.2 Chemical stability:
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: Avoid contact with strong oxidizers.
- 10.6 Hazardous decomposition products: In case of fire: See Section 5

# **SECTION 11: Toxicological information**

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

• Acute toxicity: Based on available data, the classification criteria are not met.

## · LD/LC50 values that are relevant for classification:

Oral LD50 156 mg/kg (Maus)

>25,000 mg/kg (rat)

- Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- · Carcinogenicity: Based on available data, the classification criteria are not met.
- $\cdot$  **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration hazard: Based on available data, the classification criteria are not met.
- 11.2 Information on other hazards:
- · Endocrine disrupting properties: Substance is not listed.

## **SECTION 12: Ecological information**

- · 12.1 Toxicity:
- · Aquatic toxicity: EC50 (48h, Daphnia magna, semi static test, OECD-test-no. 202): > 100 mg/l
- · 12.2 Persistence and degradability: biological degradability:: 98% in 28d (OECD test no. 301 A)

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• Other information: The product is readily biodegradable.

• 12.3 Bioaccumulative potential: No further relevant information available.

· 12.4 Mobility in soil: No further relevant information available.

· 12.5 Results of PBT and vPvB assessment:

· PBT: PBT - assessment not available.

· **vPvB**: vPvB - assessment not available.

• 12.6 Endocrine disrupting properties: For information on endocrine disrupting properties see section 11.

· 12.7 Other adverse effects:

• Other information:

Toxicity to aquatic microorganisms: EC50 (3h, activated sludge, OECD-test-no. 209): > 1000 mg/ll • Additional ecological information:

· General notes: Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.

**SECTION 13: Disposal considerations** 

· 13.1 Waste treatment methods

• **Recommendation** Disposal must be made according to official regulations.

· Uncleaned packagings:

· Recommendation:

Disposal of uncleaned packagings must be made according to official regulations in the same manner as the product.

SECTION 14: Transport information	
· 14.1 UN number or ID number · ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA · Class:	Void
<ul> <li>14.4 Packing group</li> <li>ADR, IMDG, IATA</li> </ul>	Void
· 14.5 Environmental hazards	Not applicable.
· 14.6 Special precautions for user	Not applicable.
• 14.7 Maritime transport in bulk according to instruments	o IMO Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

# **SECTION 15: Regulatory information**

• 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I Substance is not listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Substance is not listed.

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- · REGULATION (EU) 2019/1148
- Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
- Substance is not listed. • Annex II - REPORTABLE EXPLOSIVES PRECURSORS Substance is not listed.
- **Regulation (EC) No 273/2004 on drug precursors** Substance is not listed.
- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors Substance is not listed.

· National regulations:

- Water hazard class: Water hazard class 1 (Assessment by list): slightly hazardous for water.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### **SECTION 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 SDS: Product safety department
- Contact: +49 6221 13840-35
- Date of previous version: 18.01.2022
- · Version number of previous version: 4
- · Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation PBT: persistent, bioaccumulative, toxic substance (REACH) vPvB: very persistent, very bioaccumulative substance (REACH) REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals CLP: Regulation on classification, labelling and packaging of substances and mixtures bw: body weight ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative