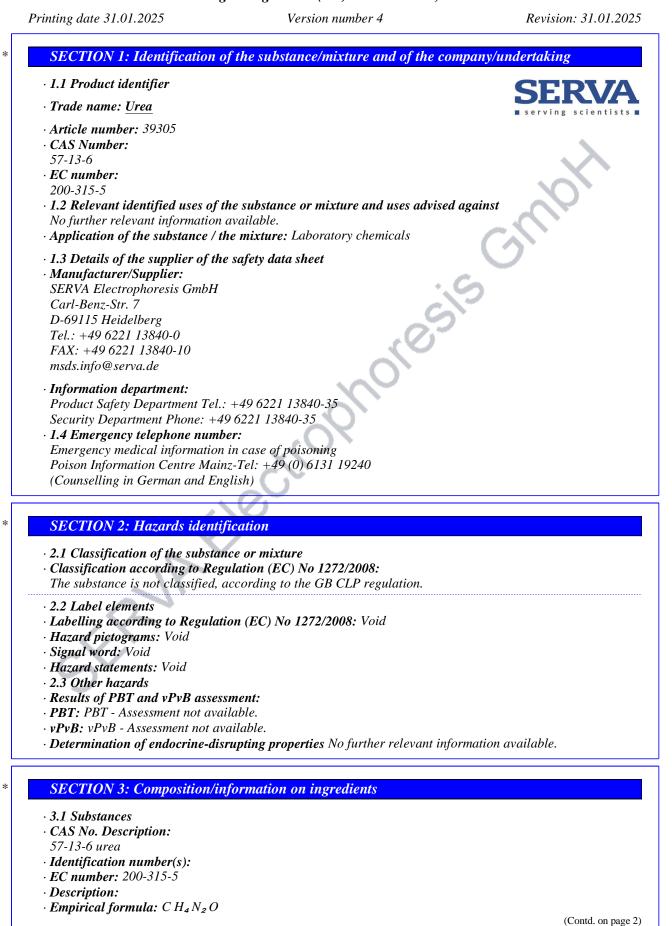
GB

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31



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• **MW:** 60.1

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:
- Wash off immediately with soap and water and rinse thoroughly. In case of complaints, consult a doctor. *After eye contact:*
- Rinse opened eye for several minutes with running water. Remove contact lenses, if possible, and continue rinsing. In case of complaints, consult an ophthalmologist.
- After swallowing:

Rinse out mouth. Drink plenty of water and provide fresh air. Consult a doctor in case of complaints.

- 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:
- Formation of hazardous vapours and gases possible during heating or in case of fire.

In case of fire, the following can be formed, but not limited to:

Nitrogen oxides (NOx)

Carbon monoxide and carbon dioxide

Ammonia (NH₃)

- 5.3 Advice for firefighters
- \cdot **Protective equipment:** Wear self-contained breathing apparatus.
- · Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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 section 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: Ensure good ventilation/exhaustion at the workplace.

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Prevent formation of dust.		(Contd. of page
	ainst explosions and fires: Keep ignition	sources away - Do not smoke.
• 7.2 Conditions for safe storage,	including any incompatibilities	
 Storage Requirements to be met by store 	rooms and receptacles:	
Store only in the original recepta		
Store at dry places in tightly clos		
	e common storage facility: Not required.	
• Further information about stora This product is hygroscopic.	ge conditions:	
Protect from humidity and water.		
Store in dry conditions.		
• 7.3 Specific end use(s): No furth	er relevant information available.	
SECTION 8: Exposure contro	ols/personal protection	
· 8.1 Control parameters		
	at require monitoring at the workplace: 1	
• Additional information: The lists	s that were valid during the creation were	used as basis.
· 8.2 Exposure controls		
Appropriate engineering control		
• Individual protection measures, • General protective and hygienic	such as personal protective equipment:	
	es should be adhered to when handling che	emicals.
• Breathing equipment: Suitable r	espiratory protective device recommended	
Hand protection:		1 (),1 (.1
	ermeable and resistant to the product/ the ndation to the glove material can be giver	
the chemical mixture.	naution to the give material can be give	i joi me produci me preparan
	l on consideration of the penetration t	imes, rates of diffusion and t
degradation		
• Material of gloves:	oves does not only depend on the mater	ial but also on further marks
quality and varies from manufact		iui, bui uiso on juriner marks
· Penetration time of glove materi	ial:	
	to be found out by the manufacturer of the	ne protective gloves and has to
observed. For the permanent contact of	a maximum of 15 minutes gloves made	o of the following materials of
suitable:	a maximum of 15 minutes gives mad	e of the following materials t
Nitrile rubber, NBR		
Chloroprene rubber, CR		
• Eye/face protection: Safety glass		
• Body protection: Protective work	k clotning.	
SECTION 9: Physical and ch	emical properties	
• 9.1 Information on basic physics	al and chemical properties	
• General Information: • Physical state:	Solid.	
· Colour:	White	
· Odour:	Ammonia-like	

Odour threshold:
Melting point/freezing point:

not determined. 132-135 °C

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Boiling point or initial boiling point and boiling		
range:	not applicable (decomposition)	
Flammability:	No information available	
Lower and upper explosion limit:		
Lower:	No information available	
Upper:	No information available	
Flash point:	No information available	
Decomposition temperature:	> 133 °C	
pH:	No information available	
Viscosity:	·	
Kinematic viscosity:	No information available	
Dynamic viscosity:	No information available	
Solubility:		
Water at 20 °C:	590 g/l	
Partition coefficient n-octanol/water (log value):	No information available	
Vapour pressure:	No information available	
Density and/or relative density:		
Density at 20 °C:	1.32 g/cm^3	
Relative density:	No information available	
Particle characteristics	No information available	
9.2 Other information		
Appearance:		
Form:	Crystals	
Important information on protection of health and environment, and on safety:	1	
Explosive properties:	The product is not explosive, but the formation of explosive dust/air mixtures is possible.	
Molecular weight	60.1 g/mol	

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 and stored according to specifications.
- 10.3 Possibility of hazardous reactions: Reacts with oxidizing agents Reacts with nitrate and nitrite
- \cdot 10.4 Conditions to avoid: No further relevant information available.
- **10.5 Incompatible materials:** Avoid contact with: Strong oxidizers Nitrites
- Bases

· 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 14,300 mg/kg (rat)

LC50/96h >6,810 mg/l (fish)

• Skin corrosion/irritation: Based on available data, the classification criteria are not met.

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- 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.
- **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: No relevant information available

SECTION 12: Ecological information

- · 12.1 Toxicity:
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability: No further relevant information available.
- Other information: The product is 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: No further relevant informations available.
- · 12.7 Other adverse effects:
- *Remark:* EC50 / 24 h (Daphnia magna): > 10 000 mg / l
- Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system.

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

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- *Recommendation Dispose of in accordance with official regulations.*
- · Uncleaned packagings:
- · Recommendation:

Uncleaned packaging must be disposed of in the same way as the product in accordance with official regulations.

• Recommended cleansing agent: Water, if necessary with cleansing agents.

· 14.1 UN number or ID number	17 . 1	
· ADR, ADN, IMDG, IATA	Void	
\cdot 14.2 UN proper shipping name		
· ADR, ADN, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
· ADR, ADN, IMDG, IATA		
· Class:	Void	
· 14.4 Packing group		
· ADR, IMDĞ, IATA	Void	

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· 14.5 Environmental hazards	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according instruments	to 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

- · Poisons Act
- · Regulated explosives precursors Substance is not listed.
- · Regulated poisons Substance is not listed.
- · Reportable explosives precursors Substance is not listed.
- Reportable poisons Substance is not listed.

· 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.
- 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: 02.05.2018
- 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 (UK REACH)
- vPvB: very persistent, very bioaccumulative substance (UK REACH)
- UK REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

GB 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

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