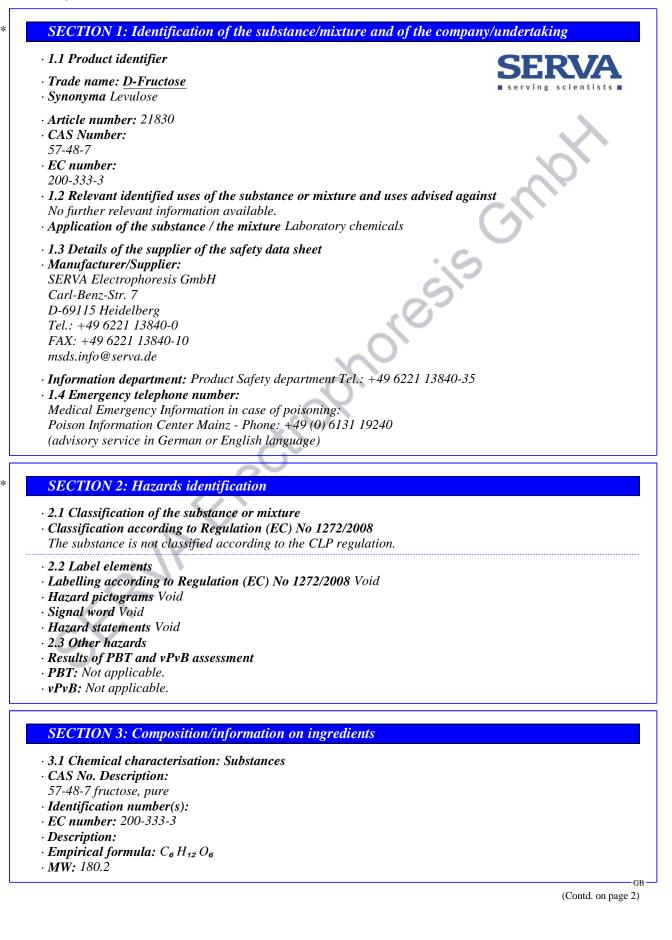
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## **SECTION 4: First aid measures**

- · 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 rinse with water.
- · After eye contact Rinse opened eye for several minutes under running water.
- · After swallowing
- Rinse out mouth and then drink plenty of water.
- If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed
- No further relevant information available.
- $\cdot$  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: Carbon monoxide (CO)
- 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.
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- $\cdot$  6.3 Methods and material for containment and cleaning up: Pick up mechanically.
- 6.4 Reference to other sections No dangerous substances are released.

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

- · 7.1 Precautions for safe handling Prevent formation of dust.
- · 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: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Store in dry conditions.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

- · 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.

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8.2 Exposure controls	
Personal protective equipment	
General protective and hygienic measur	es
The usual precautionary measures should	d be adhered to when handling chemicals.
Breathing equipment: Suitable respirate	ory protective device recommended.
Protection of hands:	
The glove material has to be impermeable	le 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 co	nsideration of the penetration times, rates of diffusion and the
degradation	
Material of gloves	
The selection of the suitable gloves do quality and varies from manufacturer to	tes not only depend on the material, but also on further marks of manufacturer.
Penetration time of glove material	·
The exact break trough time has to be for observed.	ound out by the manufacturer of the protective gloves and has to be
For the permanent contact of a maxis suitable:	mum of 15 minutes gloves made of the following materials are
Natural rubber, NR	
Nitrile rubber, NBR	

· Eye protection: Safety glasses

· Body protection: Protective work clothing.

SECTION 9: Physical and chemi	ical properties	
· 9.1 Information on basic physical ar	nd chemical properties	
General Information		
· Appearance:	Createlling	
Form: Colour:	Crystalline White	
· Odour:	white Characteristic	
Ouour:	Characteristic	
pH-value (100 g/l) at 20 °C:	5.5 - 7.5	
Change in condition		
Melting point/freezing point:	102 - 105 °C	
Initial boiling point and boiling ra	unge: undetermined	
Flash point:	Not applicable	
Flammability (solid, gaseous)	Product is not flammable.	
Explosive properties:	Product does not present an explosion hazard.	
Density at 20 °C:	1.65 g/cm <sup>3</sup>	
Bulk density at 20 °C:	700 - 800 kg/m <sup>3</sup>	
Solubility in / Miscibility with		
Water at 20 °C:	100 g/l	
9.2 Other information	No further relevant 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 No dangerous reactions known

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- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known

#### **SECTION 11: Toxicological information**

- · 11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.
- · Primary irritant effect:
- · 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.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- $\cdot \textit{Reproductive toxicity Based on available data, the classification criteria are not met.}$
- 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.

## **SECTION 12: Ecological information**

- · 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:
- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** PBT assessment not available.
- · **vPvB**: vPvB assessment not available.
- · 12.6 Other adverse effects No further relevant information available.

#### **SECTION 13: Disposal considerations**

- · 13.1 Waste treatment methods
- · Recommendation Smaller quantities can be disposed of with household waste.
- · Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

14.1 UN-Number		
ADR, ADN, IMDG, IATA	Void	
14.2 UN proper shipping name		
ADR, ADN, IMDG, IATA	Void	

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· 14.3 Transport hazard class(es)		
· ADR, ADN, IMDG, IATA		
· Class	Void	
· 14.4 Packing group		
· ADR, IMDĞ, IATA	Void	
· 14.5 Environmental hazards:	Not applicable.	
· 14.6 Special precautions for user	Not applicable.	

Not applicable.

Not dangerous according to the above specifications.

SECTION 15: Regulatory information

· 14.7 Transport in bulk according to Annex II of

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

Void

· National regulations

· Transport category

Marpol and the IBC Code

· UN "Model Regulation":

 $\cdot ADR$ 

· Transport/Additional information:

• Water hazard class: Water hazard class 1 (Self-assessment): 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

• 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

ADR: Accord européen sur le transport 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)

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

• \* Data compared to the previous version altered.

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