

Material Safety Data Sheet

According to (EC) No 1907/2006 (REACH) and 1272/2008 (CLP)

SACCHARUM

EN

FORM-06-14-01 (V00)

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Publication: 03/05/2022

Revision: XX/XX/XXXX

Version: 00



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: Sucrose
Saccharum
Saccharose
Saccharose
Saccharose

N° CAS: 57-50-1

N° EC: 200-334-9

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses: Active Pharmaceutical Ingredient or Excipient.

1.3 Details of the supplier of the safety data sheet

Company: FAC SECUNDUM ARTEM NV
Oostmalsebaan 1c (unit 5)
2960 Sint-Lenaarts
Belgium

Telephone: (+32) (0)3 457 11 76

Email: info@magis-pharma.be

Web page: www.magis-pharma.be

1.4 Emergency telephone number

Public utility foundation:	Belgisch Antigifcentrum	Centre Antipoisons Belge
Telephone:	(+32) (0)70 245 245	(Service 24/7)
Web page:	www.antigifcentrum.be	www.centreantipoisons.be

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance/mixture

Classification according to (EC) n° 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) N° 1272/2008.

2.2 Label elements

Labelling according to (EC) n° 1272/2008

Hazard pictogram(s): Not applicable.

Signal word(s): Not applicable.

Hazard statements: Not applicable.

Precautionary statements: Not applicable.

Additional applicable label elements: Not applicable.

2.3 Other hazards

Dust may form explosive mixture in air.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Product name:	Sucrose
IUPAC name:	(2R,3R,4S,5S,6R)-2-[(2S,3S,4S,5R)-3,4-dihydroxy-2,5-bis(hydroxymethyl)oxolan-2-yl]oxy-6-(hydroxymethyl)oxane-3,4,5-triol
Synonyms:	Saccharose Beet sugar Cane sugar White sugar
N° CAS:	57-50-1
N° EC:	200-334-9
Molecular Formula:	C ₁₂ H ₂₂ O ₁₁
Content:	> 99 %

3.2 Mixtures

Not applicable.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes:	The product is not toxic.
After inhalation:	Fresh air. If symptoms persist, call a physician.
After skin contact:	Wash off with plenty of water.
After eye contact:	Rinse with plenty of water. If eye irritation persists, consult a specialist.
After ingestion:	No hazards which require special first aid measures.

4.2 Most important symptoms and effects, both acute and delayed

Not available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:	Water, carbon dioxide (CO ₂), foam, dry powder.
Unsuitable extinguishing media:	Not available.

5.2 Special hazards arising from the substance/mixture

Specific hazards during firefighting: Combustible material. Development of hazardous combustion gases or vapours possible in the event of fire. Fire may cause evolution of: Carbon dioxide (CO₂), carbon monoxide (CO).

5.3 Advice for firefighters

Surrounding fires:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard.
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Protection against fire:

In the event of fire, wear self-contained breathing apparatus.

Hazardous combustion products:

Not available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid breathing dust.

For emergency responders

Avoid breathing dust.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Take up dry (mechanically). Forward for disposal. Clean up affected area. Avoid dust formation.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling:

Avoid dust formation.

Dust explosion class: St1

Personal protection:

Not available.

Technical protective measures:

Advice on protection against fire and explosion: Take precautions against dust explosion. Keep workplaces clean, avoid dust accumulation. Keep away from sources of ignition – No smoking. Observe explosion protection regulations!

Handling:

Hygiene measures: Wash hands before breaks and at the end of the working day.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Not available.

Conditions for safe storage, including any incompatibilities:

Keep in a dry place.

Storage temperature: no restrictions.

Storage – away from:

Protect from moisture.

7.3 Specific end use(s)

Active Pharmaceutical Ingredient or Excipient

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values.

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8.2 Exposure controls

Appropriate engineering control

Do not breathe dust. When using, do not smoke.

Individual protection measures

Eye/face protection: Safety glasses (in case of dust exposure).

Skin protection: Not determined.

Hand protection: Not required.

Respiratory protection: Respirator must be worn if exposed to dust. Suitable mask with particle filter P1 (EN 143).

Thermal hazards: Not determined.

Environmental exposure control

Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	White or almost white, crystalline powder, or lustrous, colourless or white or almost white crystals	
Odour:	Product-typical.	
Odour threshold:	Not available.	
pH:	Ca. 6 Concentration: 100 g/l (20 °C)	
Melting/freezing point:	Ca. 188 °C	
Initial boiling point:	Not available.	
Boiling range:	Not available.	
Flash point:	Not applicable.	
Evaporation rate:	Not available.	
Flammability (solid/gas):	Not available.	
Upper/lower flammability or explosive limits:	Lower explosion limit: Dust may form explosive mixture in air.	
	30 g/m ³	Medium: (< 25 µm median grain size)
	60 g/m ³	Medium: (25 µm median grain size)
	60 g/m ³	Medium: (80 µm median grain size)
	500 g/m ³	Medium: (300 µm median grain size)
	40 - 100 g/m ³	Medium: (grainsize: 70 % < 250 µm)
Vapour pressure:	Not applicable.	
Vapour density:	Not available.	
Relative density:	Not available.	
Solubility:	Slightly soluble in ethanol (96 per cent), practically insoluble in anhydrous ethanol.	
Solubility in water:	Very soluble in water. Ca. 885 g/l (20 °C)	
Partition coefficient (n-octanol/water):	Log Pow: -3,67 Method: (literature)	

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Auto-ignition temperature:	> 350 °C
Decomposition temperature:	Not available.
Viscosity:	Kinematic: Not applicable.
Explosive properties:	Not available.
Oxidising properties:	Not available.

9.2 Other information

Bulk density: ca. 450 – 950 kg/m³

Dust explosion class: St1

Minimum ignition energy:	Median	MIE (with inductance)	MIE (without inductance)
	17 µm	< 5 mJ	5 - < 10 mJ
	30 µm	< 10 mJ	< 10 mJ
	36 µm	30 - < 100 mJ	
	110 µm	> 1 000 mJ	> 100 mJ
	275 µm	100 000 - < 1 000 000 mJ	
	300 µm	> 1 000 000 mJ	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No decomposition if stored and applies as directed.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Like most organ material in powder form, the product can form explosive dust-air mixtures when finely dispersed in air.

10.4 Conditions to avoid

Avoid dust formation. Strong heating (decomposition). Keep away from heat/sparks/open flames/hot surfaces – No smoking. Protect from moisture.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	Oral LD50: The substance or mixture has no acute oral toxicity.
Skin corrosion/irritation:	No skin irritation.
Serious eye damage/irritation:	No eye irritation. Mechanical irritation of the eyes is possible.
Respiratory/skin sensitisation:	No sensitising effects known.
Germ cell mutagenicity:	Contains no ingredients listed as mutagen.

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Carcinogenicity:	Contains no ingredients listed as carcinogen.
Reproductive toxicity:	Contains no ingredients listed as toxic to reproduction.
Summary of evaluation of the CMR properties:	Not available.
STOT-single exposure:	The substance or mixture is not classified as specific target organ toxicant, single exposure.
STOT-repeated exposure:	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Aspiration Hazard:	No aspiration toxicity classification.
Other:	Health injuries are not known or expected under normal use. Allergic reactions are not known to occur.

11.2 Additional information on potential adverse human health effects and symptoms

Eye contact:	Not available.
Skin contact:	Not available.
Inhalation:	Not available.
Ingestion:	Not available.
Aspiration:	Not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1 % or higher.

12.6 Other adverse effects

We have no quantitative data concerning the ecological effects of this product. Ecological injuries are not known or expected under normal use.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Dispose of in accordance with local regulations. Product in solid state can be disposed e.g. as commercial waste.

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SECTION 14: TRANSPORT INFORMATION

Transport information according to ADR/RID/IMDG/ICAO/IATA

14.1 UN Number

ADR/ RID(Land),IMDG(Sea), Not regulated as a dangerous good.
IATA/ICAO (Air) :

14.2 UN proper shipping name

ADR/ RID(Land),IMDG(Sea), Not regulated as a dangerous good.
IATA/ICAO (Air) :

14.3 Transport hazard class(es)

ADR/ RID(Land),IMDG(Sea), Not regulated as a dangerous good.
IATA/ICAO (Air) :

14.4 Packing group

ADR/ RID(Land),IMDG(Sea), Not regulated as a dangerous good.
IATA/ICAO (Air) :

14.5 Environmental hazards

ADR/ RID(Land),IMDG(Sea), Not regulated as a dangerous good.
IATA/ICAO (Air) :

14.6 Special precautions for user

Not regulated as a dangerous good in the meaning of transport regulations.

14.7 Transport in bulk according to annex II of Marpol and the IBC Code

Not applicable for product as supplied.

14.8 Additional transport information

Not available.

SECTION 15: REGULATORY INFORMATION

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

Hazard symbol: Not applicable.

Risk phrases: Not applicable.

Safety phrases: Not applicable.

15.2 Chemical safety assessment

A chemical safety assessment is not required for this substance.

SECTION 16: OTHER INFORMATION

16.1 Changes since the previous version

Not applicable.

16.2 Abbreviations and acronyms used

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

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

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EC (number):	European Community (number)
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
IMDG:	International Maritime Code for Dangerous Goods
IUPAC:	International Union of Pure and Applied Chemistry
PBT:	Persistent, Bioaccumulative and Toxic substance
RID:	Regulations Concerning the International Transport of Dangerous Goods by Rail
STOT:	Specific Target Organ Toxicity
UN (number):	United Nations (number)
vPvB:	very Persistent and very Bioaccumulative

16.3 Key literature references/sources for data

European Chemicals Agency.

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/>

16.4 Method of classification in case of mixture

Not applicable.

16.5 Relevant Hazard statements and/or precautionary statements

For information on hazard and/or precautionary statements refer to section 2 up to and including section 15.

16.6 Training advisement

Not available.

16.7 Notice for user(s)

The information provided in this MSDS has been established in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015, amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council, on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769/EEC and Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC of the Commission.

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16.8 Department issuing MSDS

Quality Department

FAC SECUNDUM ARTEM NV

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