
Safety Data Sheet

Product Name	Sucrose
---------------------	---------

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

1.1. Product identification:**Product Description:** Sucrose**Synonyms:** Saccharose, α -D-Glucopyranosyl β -D-fructofuranoside, α -D-Glc-(1 \rightarrow 2)- β -D-Fru D(+)-Saccharose, Sugar, β -D-Fructofuranosyl- α -D-glucoopyranoside**CAS-No:** 57-50-1**EC-No.:** 200-334-9**Molecular Formula:** C₁₂H₂₂O₁₁**REACH Registration No:** A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.**1.2. Relevant identified uses of the substance or mixture and uses advised against:****Recommended Use:** Laboratory chemicals and Manufacture of substances**1.3. Details of the supplier of the safety data sheet:**

- Company** **Finar Limited**
184-186/P, Chacharwadi Vasna,
Sarkhej-Bavla Highway,
Ta.: Sanand, Dist.: Ahmedabad-382110, Gujarat, India.
Web: www.finarchemicals.com
- E-Mail Address** safety.finar@aceto.com; info.finar@aceto.com

1.4. Emergency Telephone Number:

- For Emergency contact on: +91 - 2717 - 616 717

Safety Data Sheet

Product Name	Sucrose
---------------------	---------

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture:**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.2. Label Elements:

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.3. Other Hazards:

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances:** Sucrose**3.2. Mixtures:**

Component	CAS-No	EC-No.	Weight %
Sucrose	57-50-1	200-334-9	>95

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures:**

- **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

- **If Contact with skin**

Wash off with soap and plenty of water.

- **In case of eye contact**

Flush eyes with water as a precaution.

- **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Safety Data Sheet

Product Name	Sucrose
---------------------	---------

4.2. Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed:

No data available

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media:

Suitable Extinguishing Media- Use water, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture:

Carbon oxides

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3. Advice for firefighters:

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

5.4 Further Information:

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

6.2. Environmental precautions:

No special environmental precautions required.

6.3. Methods and material for containment and cleaning up:

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections:

For disposal see Sections 13.

Safety Data Sheet

Product Name	Sucrose
---------------------	---------

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.

7.2. Conditions for safe storage, including any incompatibilities:

Storage conditions

Keep containers tightly closed in a dry and well-ventilated place. Incompatible Materials. Strong oxidizing agents.

7.3. Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Ingredients with workplace control parameters

8.2. Exposure Controls:

Personal Protective Equipment:

- **Eye & Face Protection-**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

- **Hand Protection -**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact: -

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Safety Data Sheet

Product Name	Sucrose
---------------------	----------------

Splash contact: -

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de,

test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

- **Other Protective equipment-**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

- **Respiratory Protection-**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

- **Environmental Exposure Controls-**

No special environmental precautions required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

- **Appearance:** White
- **Physical State:** Solid
- **Odor:** No data available
- **Odor Threshold:** No data available
- **pH:** 6.5-7.5
- **Melting Point:** 185 °C
- **Critical Temperature:** No data available

Safety Data Sheet

Product Name	Sucrose
---------------------	----------------

- **Vapor Pressure:** No data available
- **Relative Vapor Density:** No data available
- **Specific Gravity / Density:** No data available
- **Auto-Ignition Temperature:** No data available
- **Ignition Temperature:** No data available
- **Volatility:** No data available
- **Bulk Density:** No data available
- **Viscosity, dynamic:** No data available
- **Viscosity, Kinematic:** No data available
- **Water/Oil Dist. Co eff.:** No data available
- **Partition Co-efficient: n-octanol/Water:** No data available
- **Ionicity (in Water):** No data available
- **Lower Explosion Limit:** No data available
- **Upper Explosion Limit:** No data available
- **Boiling Point/Range:** No data available
- **Flash Point:** No data available
- **Water Solubility:** Soluble

9.2. Other information:

- **Molecular Formula:** C₁₂H₂₂O₁₁
- **Molecular Weight:** 342.30 g/mol

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity:**

No data available

10.2. Chemical stability:

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions:

No data available

10.4. Conditions to avoid:

No data available

Safety Data Sheet

Product Name	Sucrose
---------------------	---------

10.5. Incompatible materials:

Strong oxidizing agents

10.6. Hazardous decomposition products:

In the event of fire : See section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity

LD50 Oral - Rat - 29.700 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity).CyanosisDiarrhea

Skin irritation

No data available

Eye irritation

No data available

Sensitisation

No data available

Germ cell mutagenicity

No data available

Test Type: Mutagenicity (mammal cell test):

Result: negative

Remarks: (National Toxicology Program)

Carcinogenicity

No data available

Reproductive toxicity

No data available

Teratogenicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Safety Data Sheet

Product Name	Sucrose
---------------------	----------------

Aspiration hazard

No data available

11.2 Further Information:

RTECS: WN6500000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Substances which occur in nature

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity:****Toxicity to fish**

No data available

Toxicity to daphnia and other aquatic invertebrates

No data available

Toxicity to algae

No data available

12.2 Persistence and degradability:

No data available

12.3 Bioaccumulate potential:

No data available

12.4 Mobility in soil:

No data 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:

No data available

Safety Data Sheet

Product Name	Sucrose
---------------------	---------

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14: Transport information

	Land transport (ADR/RID)	Air transport (IATA)	Sea transport (IMDG)
14.1 UN number	-		
14.2 Proper shipping name	Not dangerous goods		
14.3 Class	-		
14.4 Packing group	-		
14.5 Environmentally hazardous	-		
14.6 Special precautions for user	No	No	No
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Relevant		

SECTION 15: Regulatory information

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

National legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

15.2 Chemical safety assessment:

For this product a chemical safety assessment was not carried out.

Safety Data Sheet

Product Name	Sucrose
---------------------	---------

SECTION 16: Other information

Training advice

Provide adequate information, instruction and training for operators.

References: Not available

Created: 16/02/2022

Disclaimer:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Finar Limited be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Finar Limited has been advised of the possibility of such damages.