

SAFETY DATA SHEET
NEOSORB® 70/70**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier:****Product name:** NEOSORB® 70/70 - SIROP DE SORBITOL - LIQUID SORBITOL

Synonyms: Aqueous solution of polyols, prepared by catalytic hydrogenation of a starch hydrolysate.

UFI Number: Not applicable

Chemical name: Syrups, corn, hydrogenated

REACH Registration No.: 01-2119493576-23-0000

CAS-No.: 68425-17-2

EC No.: 270-337-8

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses:	Uses advised against:
Intermediate. , Formulation and Packaging. , Manufacture of textiles, leather, fur. , Human nutrition , Pharmaceuticals., Fertilizer,	None Reported

1.3 Details of the supplier of the safety data sheet:**Supplier:**ROQUETTE FRERES
1 Rue de la Haute Loge
62136 LESTREM - France**Telephone:** +33 3 21 63 36 00**Fax:** +33 3 21 63 38 50**E-mail:** sds@roquette.com**1.4 Emergency telephone number:**

CAPTV Paris : +33 (0)1 40 05 48 48 / CAPTV Nancy : +33 (0)3 83 22 50 50 (24/24)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture:**

The product has not been classified as dangerous according to the legislation in force : CLP Regulation (EC) No 1272/2008.

2.2 Label elements: Not applicable**2.3 Other hazards:**

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria

Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

This product does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels $\geq 0,1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substance:

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.
Syrups, corn, hydrogenated	>=70%	68425-17-2	270-337-8	01-2119493576-23-0000

SECTION 4: First aid measures

4.1 Description of first aid measures:

Inhalation: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Eye contact: Flush thoroughly with water for at least 15 minutes. Get medical assistance.

Skin contact: Wash with soap and water. For hot product: Immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention.

Ingestion: Product not hazardous when ingested. Ingestion may cause: Diarrhoea. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed: Ingestion may cause: Diarrhoea. Material may be hot. May cause severe thermal burns.

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

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture: Fire or excessive heat may produce hazardous substances. See Section 10.

5.3 Advice for firefighters:

Special Fire Fighting Procedures: Cool containers exposed to heat with water spray and remove container, if no risk is involved.

Special protective equipment for fire-fighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Caution: Contaminated surfaces may be slippery. See Section 8 of the SDS for Personal Protective Equipment.
- 6.2 Environmental precautions:** Not regarded as dangerous for the environment.
- 6.3 Methods and material for containment and cleaning up:** Absorb spillage with suitable absorbent material. Collect and dispose of spillage as indicated in section 13 of the SDS. Flush area with water.
- 6.4 Reference to other sections:** For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling:** Material may be hot. See Section 5 of the SDS for prevention of combustible dust risk. See Section 8 of the SDS for Personal Protective Equipment. See Section 5 of the SDS for prevention of combustible dust risk.
- 7.2 Conditions for safe storage, including any incompatibilities:** Keep container tightly closed. Avoid contact with oxidizing agents. Maintain an appropriate temperature to avoid crystallisation problems.
- 7.3 Specific end use(s):** Intermediate., Formulation and Packaging., Manufacture of textiles, leather, fur., Human nutrition, Pharmaceuticals., Fertilizer,

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Occupational exposure limits:

This product does not contain any components >1% with specific occupational exposure limits.

DNEL-Values:

Exposure		Value	Specific effects	Remarks
Long-term : Dermal	Workers	2000 mg/kg	Systemic Toxicity	
Long-term : Inhalation	Workers	5 mg/m3	Systemic Toxicity	
Long-term : Dermal	General Population	2000 mg/kg	Systemic Toxicity	
Long-term : Inhalation	General Population	0,89 mg/m3	Systemic Toxicity	
Long-term : Oral	General Population	200 mg/kg	Systemic Toxicity	
	General Population			

PNEC-Values:

Compartment	Value	Method
Freshwater	0,973 mg/l	Assessment Factor
Seawater	0,0973 mg/l	Assessment Factor
Intermittent release	9,73 mg/l	Assessment Factor
Sewage Treatment Plant	66,7 mg/l	Assessment Factor
freshwater sediment	3,63 mg/kg	Partition Coefficient
Saltwater Sediment	0,363 mg/kg	Partition Coefficient
soil	0,15 mg/kg	Partition Coefficient

8.2 Exposure controls:

Appropriate engineering controls:

No special precautions.

Individual protection measures, such as personal protective equipment:

Eye/face protection:

If risk of splashing, wear safety goggles or face shield.

Skin protection:

Hand Protection:

When material is heated, wear gloves to protect against thermal burns.

Other:

Wear suitable protective clothing.

Respiratory Protection:

No specific precautions.

Hygiene measures:

Handle the product in accordance with the good hygiene practices and safety instructions.

Environmental exposure controls:

Not regarded as dangerous for the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical State:	Liquid
Form:	Syrupy liquid.
Water, moisture:	~ 30 %
Color:	Colorless
Odor:	Odorless
Odor Threshold:	No data available.
Freezing point:	~ 0 °C
Boiling Point:	> 105 °C
Flash Point:	> 200 °C
Decomposition Temperature:	No data available.
pH:	~ 5,8 at 50 % w/w in water
Flammability (solid, gas):	NC: Not Classified
Viscosity:	~ 400 mPa.s at 20 °C
Solubility in Water:	Completely Soluble at 20 °C
Partition coefficient (n-octanol/water):	< 0,3 - REACH data -
Vapor pressure:	< 12,1 hPa at 20 °C
Relative density:	~ 1,3
Vapor density (air=1):	~ 0,7

9.2 Other information:

9.2.1 Information with regard to physical hazard classes:

No data available.

9.2.2 Other safety characteristics:

Oxidizing properties

NC: Not Classified

Evaporation Rate:

No data available.

Conductivity:

~ 0,6 µS/cm at 20 °C

The data reported in this section does not take the place of specifications.

SECTION 10: Stability and reactivity

10.1 Reactivity:

Strong oxidizing agents.

10.2 Chemical stability:

Material is stable under normal conditions.

10.3 Possibility of hazardous reactions:

No hazardous reactions under ordinary conditions of use and storage.

10.4 Conditions to avoid:

Solutions may become hazy, partially precipitate from solution, or gel with time on exposure to low temperature.

10.5 Incompatible materials:

10.6 Hazardous decomposition products:

Strong oxidizing substances.

Carbon Monoxide. Carbon Dioxide.

SECTION 11: Toxicological information

Component Information :

11.1 Information on hazard classes as defined in Regulation EC 1272/2008:

Acute toxicity :

Test / Substance	Species	Type / Result	Exposure	Remarks
OECD 423 Syrups, hydrolyzed starch, hydrogenated	Rat	LD50 - Oral : > 5000 mg/kg No mortalities were reported during the study period.		- REACH data -

Skin irritation. :

Test / Substance	Species	Result	Exposure	Remarks
OECD 439 Glucose syrups wheat hydrolysed	Human	Not Irritating	1 h	- REACH data - Data from similar product.

Serious eye irritation :

Test / Substance	Species	Result	Exposure	Remarks
OECD 405 Glucose syrups wheat hydrolysed	Rabbit	Not Irritating	72 h	- REACH data - Data from similar product.

Sensitization :

Test / Substance	Type	Species	Result	Remarks
OECD 429 Glucose syrups wheat hydrolysed	In vivo	Mouse	Non-Sensitising	- REACH data - Data from similar product.

Repeated dose toxicity :

Test / Substance	Species	Result	Exposure	Remarks
OECD 453 Syrups, hydrolyzed starch, hydrogenated	Rat	NOAEL : 4500 mg/kg No treatment related effects.	52 Week(s).	- REACH data -

Mutagenesis :

Test / Substance	Type	Species	Result	Remarks
OECD 473 Syrups, hydrolyzed starch, hydrogenated	In vitro	Hamster	Negative	- REACH data -
OECD 471 (Ames) Syrups, hydrolyzed starch, hydrogenated	In vitro	S. typhimurium	Negative	- REACH data -
OECD 474 Syrups, hydrolyzed starch, hydrogenated	In vivo	Mouse	Negative	- REACH data -

Carcinogenicity :

Test / Substance	Species	Route of Exposure / Exposure	Result	Remarks
OECD 451 Syrups, hydrolyzed starch, hydrogenated	Rat	Oral	No treatment related effects.	- REACH data -

Reproductive toxicity :

Test / Substance	Species	Route of Exposure / Exposure	Result	Remarks
OECD 416 Syrups, hydrolyzed starch, hydrogenated	Rat	Oral	No treatment related effects.	- REACH data -

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties:

This product does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels $\geq 0,1\%$.

11.2.2 Other information:

No data available.

SECTION 12: Ecological information

Component Information :

12.1 Toxicity:

Acute toxicity:

Test / Substance	Species	Type/Result	Exposure	Remarks
OECD203 4-O-a-D-glucopyranosyl-D-glucitol	Oryzias latipes	LC50 : > 1500 mg/l Not classified	96 h	- REACH data - Data from similar product.
OECD202 4-O-a-D-glucopyranosyl-D-glucitol	Daphnia magna	LC50 : > 1450 mg/l Not classified	48 h	- REACH data - Data from similar product.
OECD201 4-O-a-D-glucopyranosyl-D-glucitol	Pseudokirchneriella subcapitata	EC50 : >1490 mg/l Not classified	72 h	- REACH data - Data from similar product.
OECD203 D-glucitol	Oryzias latipes	LC50 : > 1430 mg/l Not classified	96 h	- REACH data -
OECD202 D-glucitol	Daphnia magna	LC50 : > 1390 mg/l Not classified	48 h	- REACH data -
OECD201 D-glucitol	Pseudokirchneriella subcapitata	EC50 : >1420 mg/l Not classified	72 h	- REACH data -

Chronic Toxicity:

No data available.

12.2 Persistence and degradability:

Test / Substance	Result	Remarks
OECD 301b Glucose syrups wheat hydrolysed	> 73 % / 28 d The product is readily biodegradable.	- REACH data - Data from similar product.
OECD 301b Glucose syrups wheat hydrolysed	> 60 % / 10 d The product is readily biodegradable.	- REACH data - Data from similar product.

12.3 Bioaccumulative potential:

Potential to bioaccumulate is low.

12.4 Mobility in soil:

This material is readily biodegraded and is not likely to bioconcentrate.

12.5 Results of PBT and vPvB assessment:

Negative

12.6 Endocrine disrupting properties:

This product does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels $\geq 0,1\%$.

12.7 Other adverse effects:

None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Product:

Dispose of waste in an appropriate authorized treatment facility in accordance with regulations in force and product characteristics at time of disposal.(for example, energy recovery).

Packaging material:

Single use packaging. Collect for salvage or disposal.

SECTION 14: Transport information

14.1 UN number or ID number:

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)..

14.2 UN proper shipping name:	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)..
14.3 Transport hazard class(es):	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)..
14.4 Packing group:	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)..
14.5 Environmental hazards:	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)..
14.6 Special precautions for user:	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)..
14.7 Maritime transport in bulk according to IMO instruments:	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)..

SECTION 15: Regulatory information

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

EU.REACH Article 59, candidate List of Substances of Very High Concern (SVHC).
Not listed

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use
Not Applicable

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended
Not Applicable

REGULATION (EU) 2017/542 (CLP Annex VIII) :harmonised information relating to emergency health response and preventative measures.
UFI Number: Not Applicable

REGULATION (EU) 2019/1148 on the marketing and use of explosives precursors.
Not Applicable

International Inventories :

Australia. Inventory of Chemical Substances (AICS):	Listed.
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL):	Listed.
China. Inventory of Existing Chemical Substances (IECSC):	Listed.
EU. European Inventory of Existing Commercial Chemical Substances (EINECS):	Listed.
Korea. Existing Chemicals Inventory (KECI):	Listed.
New Zealand. Inventory of Chemicals (NZIoC):	Listed.
Taiwan. Existing Chemicals Inventory (TCSI):	Listed.
US. Toxic Substances Control Act (TSCA):	Listed.
Vietnam. National Chemical Inventory (NCI):	Listed.

This Safety Data Sheet conforms to annex II of regulation (EC) 1907/2006 (REACH) and its amendments.

15.2 Chemical safety assessment: Yes

SECTION 16: Other information

Revision Information: 18.09.2024

Key literature references and sources for data: REACH registration dossier:
<https://echa.europa.eu/en/registration-dossier/-/registered-dossier/14249>

Other information:

Updated version of this document is available at :<https://www.roquette.com/site-search#documents>

Abbreviations and acronyms used in the SDS.:

LD50: lethal dose 50%
LC50 : lethal concentration 50%
EC50 : The effective concentration of substance that causes 50% of the maximum response.
OECD : Organisation for Economic Cooperation and Development
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
DNEL : derived no-effect level
PNEC : predicted no-effect concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very persistent and very bioaccumulative substance.

Disclaimer:

The information provided in this Safety Data Sheet (SDS) relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. It is the responsibility of the user to be aware of and to follow the regulations applying to our product for its possession, handling and use.
The information given is designed only as a guidance and is not to be considered a warranty or quality specification.
All information and instructions provided in this SDS are based on the current state of our knowledge at the latest revision date indicated.