

SAFETY DATA SHEET

**ORS-Sorb® ORIGINAL,
ORS-Sorb® SPECIAL**

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: Identification of the substance / mixture and of the company / undertaking

Date issued	13.03.2018
Revision date	13.11.2025

1.1. Product identifier

Product name	ORS-Sorb® ORIGINAL, ORS-Sorb® SPECIAL
--------------	---------------------------------------

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

Use of the substance / mixture	Absorbent for cleaning and recovery of oil/liquid spillages.
Main intended use	PC-TEC-1 Adsorbents
Industrial use	Yes
Professional use	Yes
Consumer use	Yes

1.3. Details of the supplier of the safety data sheet

Company name	Oy Biosorbio Ltd
Postal address	Kalevankatu 12-14
Postcode	FI-60100
City	Seinäjoki
Country	Finland
Telephone number	+358 50 69533
Email	jussi.koskinen@biosorbio.fi
Website	biosorbio.fi
Enterprise No.	FI-2884509-9

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: Emergency telephone number
---------------------	--

	Open 24 hours a day. Telephone number: +358 800 147 111 or +358 9 471 977 Description: Poison Information Centre (in Finland), P.O. Box 790 (Tukholmankatu 17), 00029 HUS Open 24 hours a day.
Identification, comments	Please contact the Emergency Centre in your own country, e.g. 112 in European Union countries.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP classification, notes	In accordance with CLP/GHS regulation (EC) No 1272/2008, the product has not been classified as hazardous.
---------------------------	--

2.2. Label elements

Other label information (CLP)	No labeling. In accordance with current regulations, this product has not been classified as hazardous.
-------------------------------	---

2.3. Other hazards

PBT / vPvB	For results of PBT and vPvB assessment, see point 12.5.
Other hazards	Endocrine disrupting properties: This product does not contain substances identified as having endocrine disrupting properties at a concentration $\geq 0.1\%$.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Nitrogen	CAS No.: 7727-37-9 EC No.: 231-783-9	CLP classification, notes: Not classified.	20 - 30 %	
Carbon	CAS No.: 7440-44-0 EC No.: 231-153-3	CLP classification, notes: Not classified.	20 - 30 %	
Ammonium dihydrogen phosphate	CAS No.: 7722-76-1 EC No.: 231-764-5	CLP classification, notes: Not classified.	1 - 5 %	
Urea	CAS No.: 57-13-6 EC No.: 200-315-5	CLP classification, notes: Not classified.	0 - 1 %	
Description of the mixture	Non toxic, synthetic absorbent. The product contains 40-45 % of water (CAS: 7732-18-5).			

SECTION 4: First aid measures

4.1. Description of first aid measures

General	If the situation is unclear or symptoms persist, seek medical attention. Show this safety data sheet, product container or label to the doctor in attendance.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	Wash skin immediately with plenty of water and soap. Get medical attention if

	symptoms occur.
Eye contact	Immediately flush eyes with plenty of water for several minutes, holding eyelids open. If eye irritation or other symptoms persist, seek medical attention.
Ingestion	Rinse mouth with water and then drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

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

Acute symptoms and effects	None known.
Delayed symptoms and effects	None known.

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

Other information	No specific instructions. Treat symptomatically.
-------------------	--

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Improper extinguishing media	Do not use water jet as an extinguisher, as this may spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	No specific hazards.
Hazardous combustion products	In the event of fire, health hazardous compounds may be formed. Combustion of the product may form smoke, carbon monoxide, carbon dioxide and other products of incomplete combustion.

5.3. Advice for firefighters

Personal protective equipment	Wear appropriate protective equipment and self-contained breathing apparatus.
-------------------------------	---

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Ensure adequate ventilation. Avoid generation and spreading of dust.
Personal protection measures	Wear appropriate personal protective equipment. For personal protection, see section 8.

6.2. Environmental precautions

Environmental precautionary measures	No special measures required.
--------------------------------------	-------------------------------

6.3. Methods and material for containment and cleaning up

Containment	Avoid generation and spreading of dust.
Clean up	Pick up solid product mechanically.

6.4. Reference to other sections

Other instructions

Safe handling: see point 7.
 Personal protective equipment: see point 8.
 Waste disposal: see point 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling

Ensure adequate ventilation. Prevent spillages. Use appropriate personal protective equipment while handling the product (see point 8).

Protective safety measures

Preventive measures to prevent aerosol and dust generation

Prevent formation of dust.

Advice on general occupational hygiene

Handle in accordance with good industrial hygiene and safety practices. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash hands before breaks and at the end of workday. Wash contaminated clothes before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Store in a dry place. Store in a closed container. Store away from food, drink and animal feedstuffs.

Conditions to avoid

Protect from moisture.
 For incompatible materials see point 10.5.

Conditions for safe storage

Packaging compatibilities

Store in original package or container.

Requirements for storage rooms and vessels

Keep container tightly closed.

7.3. Specific end use(s)

Specific use(s)

The use stated in section 1.2.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Inorganic dust		Country of origin: Finland Limit value (8 h) : 10 mg/m ³	
Control parameters comments	DNEL/PNEC: Chemical safety assessment has not been performed for the product, no information available about ingredients.		

8.2. Exposure controls

Precautionary measures to prevent exposure

Technical measures to prevent exposure	Ensure adequate ventilation. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
--	--

Eye / face protection

Suitable eye protection	Wear suitable protective goggles if there is a risk of eye contact or conditions are dusty. EN 166 or EN ISO 16321.
-------------------------	---

Hand protection

Suitable gloves type	Use appropriate chemical-resistant, impervious gloves.
----------------------	--

Skin protection

Suitable protective clothing	Under normal conditions not required.
------------------------------	---------------------------------------

Respiratory protection

Respiratory protection necessary at	In case of inadequate ventilation wear respiratory protection.
-------------------------------------	--

Thermal hazards

Thermal hazards	No thermal hazards known.
-----------------	---------------------------

Appropriate environmental exposure control

Environmental exposure controls	No special precautions required.
---------------------------------	----------------------------------

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid. Granular. Block.
Colour	White.
Odour	Not determined.
Odour limit	Comments: Not determined.
pH	Value: 4 - 6
Melting point / melting range	Comments: Not determined.
Boiling point / boiling range	Comments: Not determined.
Flash point	Value: 2000 °C
Evaporation rate	Comments: Not determined.
Flammability	Not flammable.
Explosion limit	Comments: Not determined.
Vapour pressure	Comments: Not determined.
Vapour density	Comments: Not determined.
Particle characteristics	Comments: Not determined.

Relative density	Comments: Not determined.
Density	Comments: Not determined.
Solubility	Medium: Water Comments: Not water-soluble.
Partition coefficient: n-octanol/ water	Comments: Not determined.
Auto-ignition temperature	Comments: Not self-igniting.
Decomposition temperature	Comments: Not determined.
Viscosity	Comments: Not applicable.

9.2. Other information

Other physical and chemical properties

Physical and chemical properties	None reported.
----------------------------------	----------------

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Not reactive under normal use and storage conditions.
------------	---

10.2. Chemical stability

Stability	Chemically stable under normal storage conditions.
-----------	--

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None known.
------------------------------------	-------------

10.4. Conditions to avoid

Conditions to avoid	Protect from moisture. Store away from food, drink and animal feedstuffs.
---------------------	---

10.5. Incompatible materials

Materials to avoid	Strong inorganic acids.
--------------------	-------------------------

10.6. Hazardous decomposition products

Hazardous decomposition products	Combustion of the product may form smoke, carbon monoxide, carbon dioxide and other products of incomplete combustion.
-------------------------------------	--

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Other toxicological data	There is no toxicological data available about the product as such. The product is not classified as acutely toxic. Data lacking.
--------------------------	---

Other information regarding health hazards

Assessment of skin corrosion / irritation, classification	The product is not classified as irritant or corrosive to skin. Data lacking.
Assessment of eye damage or irritation, classification	The product is not classified as damaging or irritating to eyes. Data lacking.
Sensitisation	The product is not classified as a respiratory or skin sensitiser. Data lacking.
Mutagenicity	The product is not classified as a mutagen. Data lacking.
Carcinogenicity, other information	The product is not classified as a carcinogen. Data lacking.
Reproductive toxicity	The product is not classified as toxic to reproduction. Data lacking.
Assessment of specific target organ toxicity - single exposure, classification	The product is not classified as toxic to specific target organs at a single exposure. Data lacking.
Assessment of specific target organ toxicity - repeated exposure, classification	The product is not classified as toxic to specific target organs at repeated exposure. Data lacking.
Assessment of aspiration hazard, classification	The product is not classified as an aspiration hazard. The product is not a liquid.

11.2 Other information

Endocrine disruption	This product does not contain substances identified as having endocrine disrupting properties at a concentration $\geq 0.1\%$.
Other information	None reported.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	There is no ecotoxicological data available about the product as such. The product is not classified as hazardous to the environment. Data lacking.
-------------	---

12.2. Persistence and degradability

Persistence and degradability description/evaluation	Biodegradable.
--	----------------

12.3. Bioaccumulative potential

Bioaccumulation, evaluation	The product is not bioaccumulative.
-----------------------------	-------------------------------------

12.4. Mobility in soil

Mobility	No data recorded.
----------	-------------------

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain substances considered to be either PBT or vPvB at a concentration $\geq 0.1\%$.
------------------------------------	--

12.6. Endocrine disrupting properties

Endocrine disrupting properties	This product does not contain substances identified as having endocrine
---------------------------------	---

disrupting properties at a concentration $\geq 0.1\%$.

12.7. Other adverse effects

Additional ecological information None reported.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

EWC waste code Classified as hazardous waste: No

Other information Dispose of in compliance with local and national regulations.

SECTION 14: Transport information

Dangerous goods No

14.1. UN number

Comments Not classified as hazardous for transport (ADR, RID, ADN, ICAO/IATA, IMDG)

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

IMDG Marine pollutant No.

Comments The product is not classified as hazardous to the environment.

14.6. Special precautions for user

Special safety precautions for user No special safety precautions.

14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk (yes/no) No

SECTION 15: Regulatory information

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

Legislation and regulations No specific regulations.

15.2. Chemical safety assessment

Chemical safety assessment performed No

SECTION 16: Other information

Training advice	Read safety data sheet.
Key literature references and sources for data	Previous version of the SDS (01.04.2014) Product specifications by manufacturer Decree on Concentrations known to be Hazardous 55/2025 (HTP-arvot 2025), Finland
Abbreviations and acronyms used	HTP: Concentrations known to be Hazardous.
Information added, deleted or revised	13.11.2025: Update according to Annex II of the REACH Regulation ([EU] 2020/878).
Last update date	13.11.2025
Version	1
Prepared by	Sweco Finland Oy
Comments	The information of this safety data sheet is based on existing public information sources, such as current legislation, available at the time of publication of the completed safety data sheet, and information on the Customer's products that has been provided by the Customer to Sweco. The Customer is responsible that the information provided to Sweco is accurate and up to date.