

SAFETY DATA SHEET Specific hazards

Regulation (EU) 2020/878

TERRA SORB ORGANIC

Date: 02/02/2023

Version 06 ESPPF329-A02-ENG

Page 1 de 12

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

1.1 Product identifier.

Product Name: TERRA SORB ORGANIC

Product Code: F0530, F2676, F2711, F2810, F2814 and those that may be generated with the

same composition.

UFI: RDE4-Q0N1-F001-6GR1

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

Agricultural use Professional use

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: BIOIBERICA SAU

Address: C/ Antic Camí de Tordera 109-119

City: 08389 - Palafolls

Province: Barcelona

Telephone: +34 937 650 390 Fax: +34 934 909 711 E-mail: reach@bioiberica.com Web: www.bioiberica.com

1.4 Emergency telephone number:(Available 24h)

Bioiberica, SAU. *Palafolls* - ESPAÑA 34-93-765 03 90

Country	Link to the information	Other relevant information
Austria	https://goeg.at/Vergiftungsinformation	NEW https://goeg.at/viz
Belgium	https://www.poisoncentre.be/	
Bulgaria	https://www.moew.government.bg/bg/prevantivn a- dejnost/himichni-vestestva/klasifikaciya- clp/nacionalen-centur-po-toksikologiya/	The service is available 24/7 and the communication language isBulgarian
Croatia	https://www.imi.hr/hr/jedinica/centar-za-kontrolu- otrovanja/	Telephone no +3851 2348 342. Information available 24/7 inCroatian and English.
Cyprus	http://www.mlsi.gov.cy/mlsi/dli/dliup.nsf/All/44E02FF96 2E 75D0DC2257DDA00288E83?OpenDocument - Greek http://www.mlsi.gov.cy/mlsi/dli/dliup.nsf/All/5D40BF12E B C2295BC2257E1100479BA9?OpenDocument - English	Phone number: 1401
Czech Republic	https://www.cenia.cz/odborna- podpora/reach/bezpecnostni-listy/	
Denmark	https://www.bispebjerghospital.dk/giftlinjen/Sider/defaul t.aspx	Danish Poison Center (Giftlinjen): +45 8212 1212



SAFETY DATA SHEET Specific hazards

Regulation (EU) 2020/878 TERRA SORB ORGANIC

Date: 02/02/2023

Version 06 ESPPF329-A02-ENG

Page 2 de 12

Estonia	https://www.terviseamet.ee/en/chemical-and-		
	product-safety/data-for-safety-data-sheet		
Finland	https://www.hus.fi/en/medical-care/medical-	Open 24 hours a day	
	services/Poison%20Information%20Centre/Pages/default.	0800 147 111 (the call is free of charge)	
	aspx	09 471 977	
France	https://reach-info.ineris.fr/Numero_orfila		
Germany	https://www.reach-clp-biozid-		
Cermany	helpdesk.de/DE/REACH/Sicherheitsdatenblatt/Sicherheit		
	sd atenblatt-EN/Emergency-Telephone-number.html		
	See account and an account of the second of		
Greece	https://echa.europa.eu/documents/10162/23019181/po		
	is on info centre en.pdf/58b0f281-a6f8-4362-a0b9-		
	faad57c7fcff		
Hungary	https://www.nnk.gov.hu/index.php/kemiai-biztonsagi-	+36-80-201-199 (0-24h, free of charge)	
	es-kompetens-hatosagi-fo/egeszsegugyi-toxikologiai-		
	tajekoztato-szolgalat		
Iceland	http://www.landspitali.is/?PageID=14556		
Ireland	https://www.poisons.ie/		
Italy	https://preparatipericolosi.iss.it/cav.aspx		
Latvia	https://www.meteo.lv/en/lapas/environment/chemic		
	al- substances-reach/reach en?&id=1483&nid=410		
Liechtenstein			
Lithuania	http://www.apsinuodijau.lt/	+370 (85) 2362052	
Luxembourg	https://www.centreantipoisons.be/entreprises/english/	(+352) 8002 5500	
	ho w-declare/declarations-grand-duchy-luxembourg	Free telephone number with a 24/7	
		access. Experts answer allurgency	
		questions on dangerous products in	
		French, Dutch and	
Malta		English.	
IVIdILd	https://deputyprimeminister.gov.mt/en/Pages/health.a		
Netherlands	https://www.umcutrecht.nl/nl/Subsites-	NVIC: +31 (0)88 755 8000: Only for the purpose of	
	nl/Nationaal- Vergiftigingen-Informatie-Centrum-	informing	
	(NVIC)/Productinformatie/Informationsheet-	medical personnel in case of acute intoxications'	
	<u>product-notification</u>	or in Dutch:	
		'Uitsluitend bestemd om professionele	
		hulpverleners te informeren	
Norway	https://helsenorge.no/Giftinformasjon	bij acute vergiftigingen	
Poland	-		
Portugal	https://www.inem.pt/category/servicos/centro-de-	Portugal CIAV phone number: +351 800 250 250	
. 5	informacao-antivenenos/	. 5.12 ₀ al 6.7.1 phone hamber. 1331 000 230 230	
Romania	-	Phone number: +40213183606	
Slovakia	http://www.ntic.sk/ntic_en.php?adr=safetydata	Phone number: +421 2 5477 4166	
Slovenia	_	Phone number: 112	



SAFETY DATA SHEET

Specific hazards

Regulation (EU) 2020/878 TERRA SORB ORGANIC

Date: 02/02/2023

Version 06 ESPPF329-A02-ENG

Page 3 de 12

Spain	https://www.miteco.gob.es/es/calidad-y-evaluacion-ambiental/temas/productos-quimicos/portal-reach-clp/novedades/detalle_novedades.aspx?id=tcm:30-193752-16	National Emergency Telephone Number of Spanish Poison Centre: +34 91 562 04 20 The information will be provided in Spanish (available 24h/365days): health personnel & general public (poisoning cases)
Sweden	https://giftinformation.se/servicemeny/in- english/chemical- <u>productsinformation-to-</u> manufacturers-and-suppliers/	

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

In accordance with Regulation (EU) No 1272/2008:

Eye Irrit. 2: Causes serious eye irritation.

2.2 Label elements.

Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms:



Signal Word:

Warning

Hazard statements:

H319 Causes serious eye irritation.

P statements:

P102 Keep out of reach of children.

P270 Do not eat, drink or smoke when using this product.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing

protection

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards.

The mixture does not contain substances classified as PBT.

The mixture does not contain substances classified as vPvB.

The mixture does not contain any endocrine disrupting properties substances.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.



SAFETY DATA SHEET

Specific hazards

Regulation (EU) 2020/878 TERRA SORB ORGANIC

Date: 02/02/2023Version 06

ESPPF329-A02-ENG

Page 4 de 12

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

			(*)Classification - Regulation (EC) No 1272/2008	
Identifiers	Name	Concentrate	Classification	Specifics concentration limits and Acute toxicity estimate
Index No: 026-003- 01-4 CAS No: 7782-63-0 EC No: 231-753-5	iron (II) sulfate (1:1) heptahydrate, sulfuric acid, iron(II) salt (1:1), heptahydrate, ferrous sulfate heptahydrate	1 - 10 %	Acute Tox. 4 *, H302 - Eye Irrit. 2, H319 - Skin Irrit. 2, H315	Skin Irrit. 2, H315: C ≥ 25 %
CAS No: 5949-29-1	Citric acid	1 - 10 %	Eye Irrit. 2, H319	-
CAS No: 22473-78-5 EC No: 245-022-3 Registration No: 01- 2119486785-19- XXXX	Tetraammonium ethylenediaminetetraacetate	1 - <10 %	Acute Tox. 4, H332 - Eye Irrit. 2, H319 - STOT RE 2, H373	-

^(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Dont let the person to rub the affected eye.

Skin contact.

^{*} See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.



SAFETY DATA SHEET Specific hazards

Regulation (EU) 2020/878 TERRA SORB ORGANIC

Date: 02/02/2023 Version 06

ESPPF329-A02-ENG

Page 5 de 12

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Cover the affected area with a dry sterile bandage. Protect the affected area from pressure or friction.

SECTION 5: FIREFIGHTING MEASURES.

The product is NOT classified as flammable, in case of fire the following measures should be taken:

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product not classified as hazardous for the environment, avoid spillage as much as possible.



SAFETY DATA SHEET Specific hazards

Regulation (EU) 2020/878 TERRA SORB ORGANIC

Date: 02/02/2023

Version 06 ESPPF329-A02-ENG

Page 6 de 12

6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

The product is not affected by Directive 2012/18/EU (SEVESO III).

Store according to local legislation. Observe indications on the label. Store the containers in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep in its original packaging, avoiding extreme conditions of humidity and temperature. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

7.3 Specific end use(s).

Agricultural use. Professional use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

C	100.0/		
Concentration:	100 %		
Uses:	Agricultural use		
Uses.	Professional use		
Breathing protection:			
If the recommended technical measures are observed, no individual protection equipment is necessary.			
Hand protection:			
If the product is handled correctly, no individual protection equipment is necessary.			



SAFETY DATA SHEET Specific hazards

Regulation (EU) 2020/878 TERRA SORB ORGANIC

Date: 02/02/2023

Version 06 ESPPF329-A02-ENG

Page 7 de 12

Eye protection:

If the product is handled correctly, no individual protection equipment is necessary.

Skin protection:

PPE: Work footwear.

Characteristics: «CE» marking, category II. CEN standards: EN ISO 13287, EN 20347

Maintenance: This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should

not be used by other people.

Observations: Work footwear for professional use includes protection elements aimed at protecting users against

any injury resulting from an accident

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Physical state: Liquid

Colour: Brown

Odour: Not applicable/Not available due to the nature/properties of the product

Odour threshold: Not applicable/Not available due to the nature/properties of the product Melting point: Not applicable/Not available due to the nature/properties of the product Freezing point: Not applicable/Not available due to the nature/properties of the product

Boiling point or initial boiling point and boiling range: Not applicable/Not available due to the nature/properties

of the product

Flammability: Not applicable/Not available due to the nature/properties of the product

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product Upper explosion limit: Not applicable/Not available due to the nature/properties of the product

Flash point: > 60 °C

Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product Decomposition temperature: Not applicable/Not available due to the nature/properties of the product pH: 4.2-5.2 (100%)

Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product

Solubility: soluble Hydrosolubility: soluble Liposolubility: Soluble

Partition coefficient n-octanol/water (log value): Not applicable/Not available due to the nature/properties of

the product

Vapour pressure: Not applicable/Not available due to the nature/properties of the product Absolute density: Not applicable/Not available due to the nature/properties of the product

Relative density: 1.27-1.33 g/mL

Relative vapour density: Not applicable/Not available due to the nature/properties of the product Particle characteristics: Not applicable/Not available due to the nature/properties of the product

9.2 Other information

Viscosity: Not applicable/Not available due to the nature/properties of the product

Explosive properties: Not applicable/Not available due to the nature/properties of the product Oxidizing properties: Not applicable/Not available due to the nature/properties of the product Dropping point: Not applicable/Not available due to the nature/properties of the product

Blink: Not applicable/Not available due to the nature/properties of the product

SECTION 10: STABILITY AND REACTIVITY.



SAFETY DATA SHEET

Specific hazards

Regulation (EU) 2020/878 TERRA SORB ORGANIC

Date: 02/02/2023

Version 06 ESPPF329-A02-ENG

Page 8 de 12

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Unstable in contact with:

- Bases.

10.3 Possibility of hazardous reactions.

Neutralization can occur on contact with bases.

10.4 Conditions to avoid.

- Avoid contact with bases.

10.5 Incompatible materials.

Avoid the following materials:

- Bases.

10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated the following products:

- Corrosive vapors or gases.

SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITANT MIXTURE. Splashes in the eyes can cause irritation.

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

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Toxicological information about the substances present in the composition.

Name -		Acute toxicity				
Name		Туре	Test	Kind	Value	
			LD50	Rat	3000 mg/kg bw [1]	
	Or	ral				
Citric acid			[1] Oyo Yakuri. Pharmacometrics. Vol. 43, Pg. 561, 1992			
Citric acid	De	ermal				
CAS No: 5949-29-1 EC No	Inl	halation				

a) acute toxicity;

Not conclusive data for classification.

Acute Toxicity Estimate (ATE):

Mixtures:

ATE (Oral) = 8.130 mg/kg

b) skin corrosion/irritation;

Based on available data, the classification criteria are not met.



SAFETY DATA SHEET

Specific hazards

Regulation (EU) 2020/878 TERRA SORB ORGANIC

Date: 02/02/2023

Version 06 ESPPF329-A02-ENG

Page 9 de 12

c) serious eye damage/irritation;

Product classified:

Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation;

Not conclusive data for classification.

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) reproductive toxicity;

Not conclusive data for classification.

h) STOT-single exposure;

Not conclusive data for classification.

i) STOT-repeated exposure;

Based on available data, the classification criteria are not met.

i) aspiration hazard;

Not conclusive data for classification.

11.2 Information on other hazards.

Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Name	Ecotoxicity			
ivanie	Туре	Test	Kind	Value
	Fish			
Citric acid	Aquatic invertebrates	LC50	Crustacean	160 mg/l (48 h)
	Aquatic			
CAS No: 5949-29-1 EC No:	plants			

12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.

No information is available on the degradability of the substances present.



SAFETY DATA SHEET Specific hazards

Regulation (EU) 2020/878 TERRA SORB ORGANIC

Date: 02/02/2023Version 06

ESPPF329-A02-ENG

Page 10 de 12

No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
Name	Log Pow	BCF	NOECs	Level
Citric acid	4 57			Vamilani
CAS No: 5949-29-1 EC No:	-1,57	-	-	Very low

12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

12.7 Other adverse effects.

No information is available about other adverse effects for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.



SAFETY DATA SHEET Specific hazards

Regulation (EU) 2020/878 TERRA SORB ORGANIC

Date: 02/02/2023

Version 06 ESPPF329-A02-ENG

Page 11 de 12

14.1 UN number or ID number.

Transportation is not dangerous.

14.2 UN proper shipping name.

Description:

ADR/RID: Not classified as hazardous for transport.

IMDG: Not classified as hazardous for transport.

ICAO/IATA: Not classified as hazardous for transport.

14.3 Transport hazard class(es).

Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

14.5 Environmental hazards.

Transportation is not dangerous.

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): Not applicable.

14.6 Special precautions for user.

Transportation is not dangerous.

14.7 Maritime transport in bulk according to IMO instruments.

Transportation is not dangerous.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H302	Harmful if swallowed.
H315	Causes skin irritation.



SAFETY DATA SHEET Specific hazards

Regulation (EU) 2020/878

TERRA SORB ORGANIC

Date: 02/02/2023

Version 06 ESPPF329-A02-ENG

Page 12 de 12

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

Classification codes:

Acute Tox. 4 : Acute toxicity (Inhalation), Category 4 Acute Tox. 4 : Acute toxicity (Oral), Category 4

Eye Irrit. 2: Eye irritation, Category 2

STOT RE 2: Specific target organ toxicity following a repeated exposure, Category 2

Skin Irrit. 2: Skin irritant, Category 2

Changes regarding to the previous version:

In section 1.4 include telephones numbers/links of European anti-poisons centers.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards On basis of test data

Health hazards Calculation method

Environmental hazards Calculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

BCF: Bioconcentration factor.

CEN: European Committee for Standardization.
 EC50: Half maximal effective concentration.
 PPE: Personal protection equipment.
 LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

NOEC: No observed effect concentration.

Key literature references and sources for data:

http://eur-lex.europa.eu/homepage.html

http://echa.europa.eu/

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.