


SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

	NATURAMER S 800	The date of compilation:	2023-02-01
		Revision:	2023-02-01
		Version No.	1

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

1.1. Product identifier

Trade name: Naturamer S 800

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

Relevant identified uses of substance/mixture:

Elemental sulphur suspension for use in agriculture.

Uses advised against: -

1.3. Data of the provider of the safety data sheet

Supplier/manufacturer: UAB "BS Chemical", Briedžio str. 13, LT-97187 Kretinga, mob. tel.: +370 663 73748, info@bs-chemical.lt, www.bs-chemical.com

E-mail address for a competent person responsible for the safety data sheet: gintare@bs-chemical.lt

1.4. Emergency telephone number

112 (in Member State of EU).

Lithuania: +370 5 236 20 52, +370 687 533 78. Service is available 24 hours.

Estonia: 16662, calling from abroad (+372) 626 93 90. Hours of operation are during weekdays from Monday 9AM to Saturday 9AM (closed on Sunday and on national holidays).

Latvia: +371 67042473. Service is available 24 hours.

Norway: 22 59 13 00.

Poland: + 48 58 349 28 31, + 48 12 646 87 06, + 48 61 848 10 11, + 48 22 619 66 54 ext. 1240.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008):

Skin Irrit 2; H315

Skin corrosion/irritation, Hazard Category 2

2.2. Label elements


Labelling (Regulation (EC) No. 1272/2008):

Hazard pictograms:



SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

	NATURAMER S 800	The date of compilation:	2023-02-01
		Revision:	2023-02-01
		Version No.	1

GHS07

Signal word: **Warning**

Hazard statements: **H315** Causes skin irritation.

Precautionary statements:

Prevention:

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

Emergency:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

Storage:

-

Disposal:

-

2.3. Other hazards

Other hazards are unknown. The product does not meet PBT or vPvB classification criteria in accordance with Regulation (EC) No. 1907/2006 Annex XIII.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substances Not applicable.

3.2. Mixture

Ingredient(s) chemical name, <i>registration number</i>	CAS No.	EC No.	Weight, %	Classification
Sulphur <i>01-2119487295-27-XXXX</i>	7704-34-9	231-722-6	50-65	Skin Irrit. 2, H315

Concentrate in the form of an aqueous suspension containing sulphur and additives (solvent, anionic surfactants, thickeners).


Workplace exposure limits, if any, are listed in subsection 8.1. For the full text of the abbreviations H and EUH, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

	NATURAMER S 800	The date of compilation:	2023-02-01
		Revision:	2023-02-01
		Version No.	1

After inhalation:

Getting the victim into fresh air should be sufficient. Seek medical advice if symptoms persist or when feeling unwell.

After skin contact:

Change contaminated clothing. Carefully wash the contaminated skin with soap and water, rinse with plenty of water. Seek medical advice if symptoms persist or in the case of irritation.

After eye contact:

Rinse the eyes with wide open lids using running water for a few minutes. Seek medical advice if irritation symptoms persist.

After swallowing:

Medical advice is recommended. Rinse the mouth with water. Give a large amount of water to drink. Do NOT induce vomiting.

Safety of providers of first aid:

Provide for personal protective measures as specified in subsection 8.2.

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

No data.

After skin contact:

Skin irritation.

After eye contact:

Eye irritation.

After swallowing:

Stomach problems may occur.

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

Symptomatic treatment. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media**

Suitable extinguishing media: the product is not flammable.

Unsuitable extinguishing media: no information available.

5.2. Special hazards arising from the substance or mixture

The product is not flammable. It should not pose a hazard. Sulphur may be released during fire.

5.3. Advice for firefighters


Self-contained breathing apparatus, particularly when extinguishing fire in closed rooms. Avoid contamination of surface or ground waters with the fire water.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Use adequate personal protection equipment, e.g. safety glasses and gloves (tested according to EN374) - see section 8 of this safety data sheet. Restrict the access of passers-by to the area affected by the emergency until necessary cleaning actions are finished. Avoid

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

	NATURAMER S 800	The date of compilation:	2023-02-01
		Revision:	2023-02-01
		Version No.	1

contamination of the skin and eyes.

6.2. Environmental precautions Do not release the product to waters, sewage drains and soil.

6.3. Methods and material for containment and cleaning up If possible, eliminate the leakage (seal, place damaged containers in emergency containers). Restrict the spread of liquids by dikes around the contaminated area. Pump out larger quantities of the liquid and remove smaller leaks with a neutral sorbent (e.g. earth, sand, diatomaceous earth), collect in adequately labeled waste containers. Carefully wash the fouled surface and remove the remaining product with water. Dispose of the collected liquid or sorbent contaminated with the product in accordance with applicable regulations. If necessary, use specialized companies handling waste utilization.

6.4. Reference to other sections For information on personal protective equipment, see subsection 8.2. For information on waste management, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling Adhere to basic hygiene rules: do not eat, drink or smoke when using the product; wash hands with soap and water after each use. Take off contaminated clothing; wash it before reusing. Avoid contact with eyes and skin. Avoid inhaling product spray vapors. Use necessary personal protection equipment as indicated in section 8 of this safety data sheet.

Use the product in accordance with its intended use and recommendations specified on the approved label or instructions for use attached to the packaging.

7.2. Conditions for safe storage, including any incompatibilities Store the product in original, adequately labeled and tightly sealed packaging in a dry, well-ventilated storage area at temperatures up to 30°C. Keep away from food articles, pellets and containers used for feeding, heat sources and naked flame. Keep away from children and unauthorized persons. Expiry date: 2 years from the date of manufacture. Upon the expiry of that period, the product may be used after checking the parameters against specification.

7.3. Specific end use(s) Identified uses are in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Control parameters


Air limit values, if any:-

Biological limit values, if any:-

Recommended monitoring procedures, if any:-

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

	NATURAMER S 800	The date of compilation:	2023-02-01
		Revision:	2023-02-01
		Version No.	1

Additional exposure limits under conditions of use, if any:-

Derived no-effect limit value (DNEL) according to Regulation (EC) No 1907/2006: -

Predicted No-Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006: -

8.2. Exposure controls

This information applies to the uses specified in subsection 1.2 of the Safety Data Sheet. If available, see the product information sheet for instructions for use and handling. This section assumes normal conditions of use.

Appropriate technical management measures

General ventilation is recommended.

Appropriate organisational management measures

No information available.

Personal protective equipment

Eye/face protection:

Safety glasses with side-shields. Provide emergency on-site eyewash.

Hand protection:

Protective gloves (tested according to EN374).

Body protection:

Compact fabric protective clothing, work shoes.

Respiratory protection:

Under normal conditions, with sufficient ventilation, protective equipment is not required; if the concentration of vapours exceeds the permissible values, use masks and half-masks with appropriate absorbers.

Thermal hazards

See Section 5.

Environmental impact control: See Section 6. Avoid product release into soil, sewers and watercourses.


SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form	Liquid – suspension.
Colour	Creamy.
Odour	Characteristic.
Melting point/freezing point, °C	113°C
Boiling point or initial boiling point and boiling range, °C	444,6°C
Flammability	Non-flammable.
Lower and upper explosion limit, volume %	Not applicable.

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

	NATURAMER S 800	The date of compilation:	2023-02-01
		Revision:	2023-02-01
		Version No.	1

Flash point, °C	218°C
Auto-ignition temperature, °C	232°C
Decomposition temperature, °C	No data available.
pH, 100 %, 20-25°C	~ 7,0
Density, g/cm ³ , 20-25°C	No data available.
Kinematic viscosity	No data available.
Solubility	No data available.
Partition coefficient n-octanol/water (log value)	Not applicable. Inorganic mixture.
Vapour pressure, kPa	No data available.
Density and/or relative density	~ 1,4
Specific gravity	No data available.
Relative vapour density	No data available.
Particle characteristics	No data available.

9.2. Other information

Surface tension, mN/m	No data available.
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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity	Mixture is not reactive.
10.2. Chemical stability	Mixture is stable during storage and handling under normal ambient conditions, nominal temperature and pressure.
10.3. Possibility of hazardous reactions	No dangerous reactions identified.
10.4. Conditions to avoid	Keep away from heat.
10.5. Incompatible materials	No materials to avoid identified.
10.6. Hazardous decomposition products	No hazardous decomposition products identified. Combustion products released under fire conditions. See section 5 of this safety data sheet.


SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008**

Acute toxicity	Not classified based on existing information.
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Acute toxicity of components:

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

	NATURAMER S 800	The date of compilation:	2023-02-01
		Revision:	2023-02-01
		Version No.	1

CAS No.	Name	Value			
7704-34-9	Sulphur	Acute toxicity when swallowed:	LD50 (rat)	> 2000	mg/kg bw
		Acute toxicity when contact with skin:	LD50 (rat)	> 2000	mg/kg bw
		Acute toxicity when inhaled:	LC50 (rat)	5430	mg/L/ 4h

Skin corrosion and (or) irritation Classified based on existing information: Skin corrosion/irritation, Hazard Category 2. Causes skin irritation.

Severe eye damage/irritation Not classified based on existing information.

Respiratory or skin sensitisation Not classified based on existing information.

Germ cell mutagenicity Not classified based on existing information.

Carcinogenicity Not classified based on existing information.

Reproductive toxicity Not classified based on existing information.

STOT (single exposure) Not classified based on existing information.
Inhalng vapors results in shortening breath with coughing. Vapors released from molten sulphur may be absorbed by the lungs very quickly. When swallowed, nausea and vomiting occur, or, in more severe cases hand and leg shaking and dizziness may result.

STOT (repeated exposure) Not classified based on existing information.
Persons under repeated exposure to the inhalation of air containing a large amount of sulphur vapors and dust may suffer from sensitization of mucous membranes, headaches and dizziness, excitement or sedation, digestive disorders, dryness and cracking of the skin.

Aspiration hazard Not classified based on existing information.

11.2. Information on other hazards

Other information No information available.

SECTION 12: ECOLOGICAL INFORMATION


12.1. Toxicity Not classified based on existing information.

Acute toxicity of components:

CAS No.	Name	Value		
7704-34-9	Sulphur	Toxicity to terrestrial arthropods:	1,4- 1,9	kg/ha (60 days) (NOEC)
		Toxicity to terrestrial macroorganisms except arthropods:	1	g/kg soil dw (28 days) (NOEC)
		Toxicity to terrestrial plants:	25,2	kg/ha (60 days) (NOEC)
		Toxicity to soil microorganisms:	400	mg/kg soil dw (28 days)

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

	NATURAMER S 800	The date of compilation:	2023-02-01
		Revision:	2023-02-01
		Version No.	1

			(NOEC)
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12.2. Persistence and degradability Sulphur: as a result of microbiological decomposition in soil, unbound sulphur is oxidized to sulfate (aerobic conditions) or reduced to sulfide (anaerobic conditions).

12.3. Bioaccumulative potential No information available.

12.4. Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment No information available.

12.6. Endocrine disrupting properties No information available.

12.7. Other adverse effects No information available.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Disposal of product Dispose of and neutralise in accordance with local and national regulations. Avoid discharge to drains and surface waters. The waste product should be handed over to an authorised entity for correct disposal.

Disposal of packaging Cleaned packaging can be reused for the same purpose, disposed of in a landfill or reused in accordance with local and national regulations. Do NOT remove the information label until the package or container is thoroughly cleaned.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number or ID number Not applicable.


14.2. UN proper shipping name Not applicable.

14.3. Transport hazard class(es) Not applicable.

14.4. Packing group	ADN	ADR	RID	IMDG	IATA (cargo)	IATA (passenger)
Packing group	-					
Classification code	-		-	-	-	-
Hazard type identification number	-		-	-	-	-

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

	NATURAMER S 800	The date of compilation:	2023-02-01
		Revision:	2023-02-01
		Version No.	1

Label	-					
Code for restrictions when driving through tunnels	-	-	-	-	-	-

14.5. Environmental hazard Not applicable.

14.6. Special precautions for user Not applicable.

14.7. Maritime transport in bulk according to IMO instruments Not applicable.

SECTION 15: REGULATORY INFORMATION

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

EU regulations:

Regulation (EC) No. 1272/2008 - CLP

Regulation (EC) No. 1907/2006 - REACH

Regulation (EU) No. 2020/878 – amending the Annex II of Regulation (EC) No. 1907/2006

Permits and restrictions (Title VII and Title VIII of Regulation (EC) No. 1907/2006): Not applicable.

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

EC Detergent Regulation 648/2004

The surfactant(s) in this mixture comply with the biodegradability criteria laid down in Regulation (EC) No. 648/2004 on detergents. The data supporting this claim is available to the competent authorities of the Member States and will be made available to them on direct request or on direct request from the manufacturer.

15.2. Chemical safety assessment The mixture has not been subject to a chemical safety assessment.

SECTION 16: OTHER INFORMATION

The information in this document is based on our best knowledge. However, it does not constitute a guarantee of any specific product features and is not a legally binding contract.

Grounds for revision:

The general design is applied according to -.


In the case of the revision of the safety data sheet, changes compared to the previous version of the safety data sheet: -.

Classification procedure

The classification of a mixture is usually based on calculation methods using data on the substance as required

SAFETY DATA SHEET

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	NATURAMER S 800	The date of compilation:	2023-02-01
		Revision:	2023-02-01
		Version No.	1

by Regulation (EC) No 1272/2008. Where data is available for a particular classification of a mixture, or where, for example, the principles of association or weight of evidence may be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet.

List of relevant hazard and/or precautionary statements (referred to in Section 3):

Skin Irrit.2 Skin corrosion/irritation, Hazard Category 2.

H315 Causes skin irritation.

Abbreviations and acronyms:

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

CAS CAS (Chemical Abstracts Service)

PNEC Predicted no-effect concentrations.

DNEL Derived no-effect level.

LD50/ LC50 The amount (concentration) of a material, which causes the death of 50% of test animals.

NOEC No Observed Effect Concentration.

PBT Persistent, bioaccumulative and toxic chemical substances.

vPvB Very persistent and very bioaccumulative chemical substances.

End of Safety Data Sheet