

### Material Safety Data sheet

#### Section 1: Product and Company Information

<b>Product Name</b>	Eugon Agar		
<b>Catalogue Number</b>	i23336	<b>Technical Phone</b>	0098 21 66787291
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#### Section 2: Hazards Identification

##### Classification of the substance or mixture

**CLP Regulation (EC) No 1272/2008** The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

##### Label elements

##### CLP Regulation (EC) No 1272/2008

##### Hazard statements

Non-applicable

##### Precautionary statements

P101: If medical advice is needed, have product container or label at hand.  
 P102: Keep out of reach of children.  
 P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

##### Other hazards

Product fails to meet PBT/vPvB criteria  
 Endocrine-disrupting properties: The product fails to meet the criteria.

#### Section 3: Composition / Information on Ingredients

<b>Substance</b>	Non-applicable
<b>Mixture</b>	
<b>Chemical description</b>	Mixture of substances
<b>Components</b>	None of the substances contained in the mixture are above the values fixed in Annex II of Regulation (EC) No 1907/2006

#### Section 4: First Aid Measures

<b>Description of first aid measures</b>	Consult a doctor in case of discomfort showing the SDS for the product.
<b>By inhalation</b>	In case of symptoms, move the person affected into fresh air.
<b>By skin contact</b>	In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety data Sheet
<b>By eye contact</b>	Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.

**By ingestion/aspiration** In case of consumption in large quantities, it is recommended to seek medical assistance.

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**Most important symptoms and effects, both acute and delayed**

Acute and delayed effects are indicated in sections 2 and 11.

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**Indication of any immediate medical attention and special treatment needed**

Non-applicable

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**Section 5: Fire Fighting Measures**

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**Extinguishing media**

**Suitable extinguishing media**

Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...)

**Unsuitable extinguishing media**

Non-applicable

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**Special hazards arising from the substance or mixture**

Due to its inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

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**Advice for firefighters**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

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**Additional provisions**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

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**Section 6: Accidental Release Measures**

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**Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** Isolate leaks provided that there is no additional risk for the people performing this task.

**For emergency responders** See section 8.

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**Environmental precautions**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

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**Methods and material for containment and cleaning up**

It is recommended:  
Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal.

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**Reference to other sections**

See sections 8 and 13.

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**Section 7: Handling and Storage**

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**Precautions for safe handling**

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

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B.- Technical recommendations for the prevention of fires and explosions

It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided.

C.-Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.-Technical recommendations to prevent environmental risks

It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2.

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**Conditions for safe storage, including any incompatibilities**

A.- Technical measures for storage

Store in a cool, dry, well-ventilated location

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

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**Specific end use(s)**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

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**Section 8: Exposure Controls / Personal Protection**

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**Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Nuisance dust: Inhalable dust 10 mg/m<sup>3</sup> // Respirable dust 4 mg/m<sup>3</sup>

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A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.-Specific protection for the hands

Mandatory hand protection / Protective gloves against minor risks / Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2004 +A1:2010 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material cannot be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.-Ocular and facial protection

Mandatory face protection / Panoramic glasses Against splash/projections / EN 166:2002 - EN ISO 4007:2018 / Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Work clothing / Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.

Anti-slip work shoes / EN ISO 20347:2012 / Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

It is not necessary to take additional emergency measures.

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**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

### Section 9: Physical and Chemical Properties

#### Information on basic physical and chemical properties

For complete information see the product datasheet.

Physical state at 20 °C	Solid
Appearance	Characteristic
Color	Beige
Oduor	Characteristic
Oduor threshold	Non-applicable *
Boiling point at atmospheric pressure	Non-applicable *
Vapor pressure at 20 °C:	Non-applicable *
Vapor pressure at 50 °C	Non-applicable *
Evaporation rate at 20 °C	Non-applicable *
Density at 20 °C	Non-applicable *
Relative density at 20 °C	Non-applicable *
Dynamic viscosity at 20 °C	Non-applicable *
Kinematic viscosity at 20 °C	Non-applicable *
Kinematic viscosity at 40 °C	Non-applicable *
Concentration	Non-applicable *
pH	6,8 - 7,2
Vapor density at 20 °C	Non-applicable *
Partition coefficient n-octanol/water 20 °C	Non-applicable *
Solubility in water at 20 °C	Non-applicable *
Solubility properties	Non-applicable *
Decomposition temperature	Non-applicable *
Melting point/freezing point	Non-applicable *
Flash Point	Non-applicable *
Flammability (solid, gas)	Non-applicable *
Autoignition temperature	Non-applicable *
Lower flammability limit	Non-applicable *
Upper flammability limit	Non-applicable *
Lower explosive limit	Non-applicable *
Upper explosive limit	Non-applicable *
Median equivalent diameter	Non-applicable *
Explosive properties	Non-applicable *
Oxidizing properties	Non-applicable *

Corrosive to metals	Non-applicable *
Heat of combustion	Non-applicable *
Aerosols-total percentage (by mass) of flammable components	Non-applicable *
Surface tension at 20 °C	Non-applicable *
Refraction index	Non-applicable *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

### Section 10: Stability and Reactivity

<b>Reactivity</b>	No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.
<b>Chemical stability</b>	Chemically stable under the conditions of storage, handling and use.
<b>Possibility of hazardous reactions</b>	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

#### Conditions to avoid

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

#### Incompatible materials

Acids	Water	Oxidizing materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

#### Hazardous decomposition products:

See subsection 10 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

### Section 11: Toxicological Information

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

LD50 oral > 2000 mg/kg (rat)

#### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met
- Corrosivity/Irritability: Based on available data, the classification criteria are not met

B- Inhalation (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met
- Corrosivity/Irritability: Based on available data, the classification criteria are not met

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met
- Contact with the eyes: Based on available data, the classification criteria are not met

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met

IARC: Sodium sulphite (3)

- Mutagenicity: Based on available data, the classification criteria are not met
- Reproductive toxicity: Based on available data, the classification criteria are not met

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met
- Cutaneous: Based on available data, the classification criteria are not met

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met

- Skin: Based on available data, the classification criteria are not met

H- Aspiration hazard:

Based on available data, the classification criteria are not met

**Other information**

Non-applicable

**Specific toxicology information on the substances**

Not available

#### Information on other hazards

**Endocrine disrupting properties**

Endocrine-disrupting properties: The product fails to meet the criteria.

**Other information**

Non-applicable

### Section 12: Ecological Information

The experimental information related to the eco-toxicological properties of the product itself is not available.

**Toxicity**

Not available

**Persistence and degradability**

Not available

**Bio accumulative potential**

Not available

**Mobility in soil**

Not available

**Results of PBT and vPvB assessment**

Product fails to meet PBT/vPvB criteria

**Endocrine disrupting properties**

Endocrine-disrupting properties: The product fails to meet the criteria.

**Other adverse effects**

Not described

### Section 13: Disposal Consideration

#### Waste treatment methods

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	Non dangerous

**Type of waste (Regulation (EU) No 1357/2014)**

Non-applicable

#### Waste management (disposal and evaluation)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.

#### Regulations related to waste management

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated.

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

**Section 14: Transport Information**

**Transport of dangerous goods by land**

With regard to ADR 2021 and RID 2021

<b>UN number or ID number</b>	Non-applicable
<b>UN proper shipping name</b>	Non-applicable
<b>Transport hazard class (es)</b>	Non-applicable
Labels	Non-applicable
<b>Packing group</b>	Non-applicable
<b>Environmental hazards</b>	No
<b>Special precautions for user</b>	
Special regulations	Non-applicable
Tunnel restriction code	Non-applicable
Physico-Chemical properties	see section 9
Limited quantities	Non-applicable
<b>Maritime transport in bulk according to IMO instruments</b>	Non-applicable
<b>Transport of dangerous goods by sea</b>	
With regard to IMDG 39-18	
<b>UN number or ID number</b>	Non-applicable
<b>UN proper shipping name</b>	Non-applicable
<b>Transport hazard class (es)</b>	Non-applicable
<b>Packing group</b>	Non-applicable
<b>Marine pollutant</b>	No
<b>Special precautions for user</b>	
Special regulations	Non-applicable
EmS Codes	
Physico-Chemical properties	see section 9
Limited quantities	Non-applicable
Segregation group	Non-applicable
<b>bulk according to IMO instruments</b>	Non-applicable
<b>Transport of dangerous goods by air</b>	
With regard to IATA/ICAO 2022	
<b>UN number or ID number</b>	Non-applicable
<b>UN proper shipping name</b>	Non-applicable
<b>Transport hazard class (es)</b>	Non-applicable
Labels	Non-applicable
<b>Packing group</b>	Non-applicable
<b>Environmental hazards</b>	No

## Special precautions for user

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Physico-Chemical properties see section 9

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**Maritime transport in bulk according to IMO instruments** Non-applicable

## Section 15: Regulatory Information

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

Candidate substances for authorization under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorization List") and sunset date: non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products:

Nonapplicable

### Seveso III

Non-applicable

### Limitations to commercialization and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....)

Non-applicable

### Specific provisions in terms of protecting people or the environment

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

### Other legislation

The product could be affected by sectorial legislation

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### Chemical safety assessment

The supplier has not carried out evaluation of chemical safety.

## Section 16: Other Information

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### DISCLAIMER

For R&D use only. Not for drug, household or other uses.

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### WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. *ibresco* shall not be held liable for any damage resulting from handling or from contact with the above product.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.