

## ECORMON

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

- 1.1 Product identifier:** ECORMON
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Fertilizer. For professional use only.  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
Futureco Bioscience S.A.U  
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08799 Barcelona - Barcelona - Spain  
Phone.: +34 938182891 -  
Fax: +34 938921726  
calidad@futurecobioscience.com  
www.futurecobioscience.com
- 1.4 Emergency telephone number:**

### SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**Directive 67/548/EC and Directive 1999/45/EC:**  
In accordance with Directive 67/548/EC and Directive 1999/45/EC, the product is not classified as dangerous.  
**CLP Regulation (EC) n° 1272/2008:**  
The product is not classified as dangerous according to CLP Regulation (EC) n° 1272/2008.
- 2.2 Label elements:**  
**Directive 67/548/EC and Directive 1999/45/EC:**  
In accordance with the legislation, the elements on the label are as follows:  
Not classified as dangerous. Safety data sheet available to professional users that request it.  
**CLP Regulation (EC) n° 1272/2008:**  
See sections 11 and 12.
- 2.3 Other hazards:**  
Non-applicable

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical description:** Mixture of substances

**Components:**

In accordance with Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

| Identification   | Chemical name/Classification   | Concentration       |
|--|--|---------------------|
| CAS: 7631-95-0<br>EC: 231-551-7<br>Index: Non-applicable<br>REACH: 01-2119489495-21-XXXX | <b>Disodium molybdate</b><br>Not classified<br>Directive 67/548/EC<br>Regulation 1272/2008 | <b>8 - &lt;12 %</b> |

To obtain more information on the risk of the substances consult sections 8, 11, 12 and 16.

### SECTION 4: FIRST AID MEASURES

**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the MSDS of this product.

**By inhalation:**

This product does not contain substances classified as dangerous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

**By skin contact:**

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### SECTION 4: FIRST AID MEASURES (continue)

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Security Data Sheet

**By eye contact:**

This product does not contain substances classified as dangerous for eye contact. Rinse eyes thoroughly for at least 15 minutes with luke warm water, ensuring that the person affected does not rub or close their eyes.

**By consumption:**

In case of consumption, seek immediate medical assistance showing the MSDS of this product.

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

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

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

Non-applicable

### SECTION 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media:**

Product is non-flammable under normal conditions of storage, manipulation and use. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

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

As a result of combustion or thermal decomposition reactive subproducts are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

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

**Additional provisions:**

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

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

**6.2 Environmental precautions:**

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

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

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

### SECTION 7: HANDLING AND STORAGE

**7.1 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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### SECTION 7: HANDLING AND STORAGE (continue)

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

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on 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 recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

### 7.2 Conditions for safe storage, including any incompatibilities:

#### A.- Technical measures for storage

|                |           |
|----------------|-----------|
| Minimum Temp.: | 5 °C      |
| Maximum Temp.: | 30 °C     |
| Maximum time:  | 36 Months |

#### B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food

### 7.3 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.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the work environment

There are no environmental limits for the substances contained in the product

#### DNEL (Workers):

| Identification  |            | Short exposure |                | Long exposure           |                |
|---|------------|----------------|----------------|-------------------------|----------------|
|   |            | Systemic       | Local          | Systemic                | Local          |
| Disodium molybdate<br>CAS: 7631-95-0<br>EC: 231-551-7 | Oral       | Non-applicable | Non-applicable | Non-applicable          | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | Non-applicable          | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 11,17 mg/m <sup>3</sup> | Non-applicable |

#### DNEL (Population):

| Identification  |            | Short exposure |                | Long exposure          |                |
|---|------------|----------------|----------------|------------------------|----------------|
|   |            | Systemic       | Local          | Systemic               | Local          |
| Disodium molybdate<br>CAS: 7631-95-0<br>EC: 231-551-7 | Oral       | Non-applicable | Non-applicable | 4,85 mg/kg             | Non-applicable |
|   | Dermal     | Non-applicable | Non-applicable | Non-applicable         | Non-applicable |
|   | Inhalation | Non-applicable | Non-applicable | 3,33 mg/m <sup>3</sup> | Non-applicable |

#### PNEC:

| Identification  |              |                |                         |             |  |
|---|--------------|----------------|-------------------------|-------------|--|
| Disodium molybdate<br>CAS: 7631-95-0<br>EC: 231-551-7 | STP          | 21,7 mg/L      | Fresh water             | 12,7 mg/L   |  |
|   | Soil         | 39 mg/kg       | Marine water            | 1,91 mg/L   |  |
|   | Intermittent | Non-applicable | Sediment (Fresh water)  | 22600 mg/kg |  |
|   | Oral         | Non-applicable | Sediment (Marine water) | 1984 mg/kg  |  |

#### 8.2 Exposure controls:

##### A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding ""CE marking"" in accordance with Directive 89/686/EC. For more information on Personal Protection 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.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)



#### B.- Respiratory protection

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



#### C.- Specific protection for the hands

| LRP Pictogram  | PPE                        | Labelling   | CEN Standard  | Remarks  |
|--|----------------------------|---|---|--|
| <br>Mandatory hand protection | Chemical protective gloves |  | EN 374-1:2003<br>EN 374-3:2003/AC:2006<br>EN 420:2003+A1:2009 | Replace the gloves at any sign of deterioration. |

#### D.- Ocular and facial protection

| LRP Pictogram  | PPE                                     | Labelling   | CEN Standard   | Remarks   |
|--|---|---|--|---|
| <br>Mandatory face protection | Panoramic glasses against liquid splash |  | EN 166:2001<br>EN 172:1994/A1:2000<br>EN 172:1994/A2:2001<br>EN 165:2005 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

#### E.- Bodily protection

| LRP Pictogram | PPE                  | Labelling   | CEN Standard                                   | Remarks                    |
|---------------|----------------------|---|--|----------------------------|
|               | Work clothing        |   | EN 340:2003                                    | For professional use only. |
|               | Anti-slip work shoes |  | EN ISO 20347:2004/A1:2007<br>EN ISO 20344:2011 | None                       |

#### F.- Additional emergency measures

| Emergency measure   | Standards                      | Emergency measure  | Standards                     |
|---|--------------------------------|--|-------------------------------|
| <br>Emergency shower | ANSI Z358-1<br>ISO 3864-1:2002 | <br>Eyewash stations | DIN 12 899<br>ISO 3864-1:2002 |

#### 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

#### Volatil organic compounds:

With regard to Directive 1999/13/EC, this product has the following characteristics:

|                           |                             |
|---------------------------|-----------------------------|
| V.O.C. (Supply):          | 0 % weight                  |
| V.O.C. density at 20 °C:  | 0 kg/m <sup>3</sup> (0 g/L) |
| Average carbon number:    | Non-applicable              |
| Average molecular weight: | Non-applicable              |

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

##### Appearance:

Physical state at 20 °C: Liquid

Appearance: Fluid

Color: Brown

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

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)

Odor: Characteristic

**Volatility:**

Boiling point at atmospheric pressure: 100 °C  
 Vapour pressure at 20 °C: 2350 Pa  
 Vapour pressure at 50 °C: 12381 Pa (12 kPa)  
 Evaporation rate at 20 °C: Non-applicable \*

**Product description:**

Density at 20 °C: 1220 - 1260 kg/m<sup>3</sup>  
 Relative density at 20 °C: 1,22 - 1,26  
 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 - 7  
 Vapour density at 20 °C: Non-applicable \*  
 Partition coefficient n-octanol/water 20 °C: Non-applicable \*  
 Solubility in water at 20 °C: Non-applicable \*  
 Solubility property: Non-applicable \*  
 Decomposition temperature: Non-applicable \*

**Flammability:**

Flash Point: Non Flammable (>60 °C)  
 Autoignition temperature: Non-applicable \*  
 Lower flammability limit: Non-applicable \*  
 Upper flammability limit: Non-applicable \*

**9.2 Other information:**

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

**10.1 Reactivity:**

No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

**10.2 Chemical stability:**

Chemically stable under the conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the conditions no hazardous reactions are expected to produce a pressure or excessive temperatures.

**10.4 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 |

**10.5 Incompatible materials:**

| Acids          | Water          | Combustive materials | Combustible materials | Others         |
|----------------|----------------|----------------------|-----------------------|----------------|
| Not applicable | Not applicable | Not applicable       | Not applicable        | Not applicable |

**10.6 Hazardous decomposition products:**

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### SECTION 10: STABILITY AND REACTIVITY (continue)

See subsection 10.3, 10.4 and 10.5 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

#### 11.1 Information on toxicological effects:

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

#### Dangerous health implications:

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

##### A.- Ingestion:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.

##### B- Inhalation:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.

##### C- Contact with the skin and the eyes:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for skin contact. For more information see section 3.

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

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

##### E- Sensitizing effects:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitizing effects. For more information see section 3.

##### F- Specific target organ toxicity (STOT)-time exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

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

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

##### H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

#### Other information:

Non-applicable

#### Specific toxicology information on the substances:

Not available

### SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the ecotoxicological properties of the mixture itself is not available

#### 12.1 Toxicity:

Not available

#### 12.2 Persistence and degradability:

Not available

#### 12.3 Bioaccumulative potential:

Not available

#### 12.4 Mobility in soil:

Not available

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### SECTION 12: ECOLOGICAL INFORMATION (continue)

#### 12.5 Results of PBT and vPvB assessment:

Non-applicable

#### 12.6 Other adverse effects:

Not described

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods:

| Code | Description   | Waste class (Directive 2008/98/EC) |
|------|---|------------------------------------|
|      | It is not possible to assign a specific code, as it depends on the intended use by the user | Non dangerous                      |

#### 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 (2000/532/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 6.2.

#### Regulations related to waste management:

In accordance with Annex II of Regulation (EC) n°1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2000/532/EC: Commission Decision of 3 May 2000

### SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

### SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) 1907/2006 (REACH): Non-applicable

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable

Active substances for which a decision of non-inclusion onto Annex I (Regulation (EU) No 528/2012): Non-applicable

Regulation (EC) 689/2008, in relation to the import and export of hazardous chemical products: Non-applicable

#### Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII, REACH):

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 data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

#### Other legislation:

Non-applicable

#### 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

### SECTION 16: OTHER INFORMATION

#### Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EC) N° 453/2010)

#### Modifications related to the previous security card which concerns the ways of managing risks. :

Content of the 3rd section presenting modifications:

- Phosphorous acid (10294-56-1): REACH Number

#### Text of R-phrases considered in section 3:

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**ECORMON****SECTION 16: OTHER INFORMATION (continue)****Directive 67/548/EC and Directive 1999/45/EC:**

Non-applicable

**CLP Regulation (EC) n° 1272/2008:**

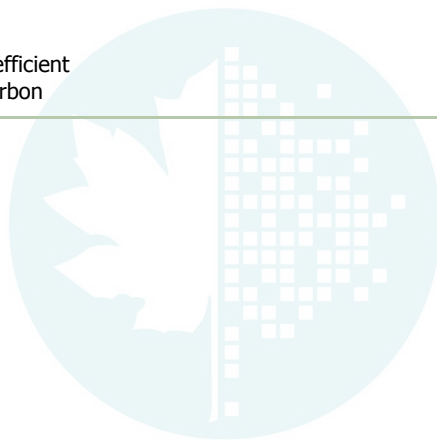
Non-applicable

**Advice related to training:**

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**<http://esis.jrc.ec.europa.eu><http://echa.europa.eu><http://eur-lex.europa.eu>**Abbreviations and acronyms:**

- ADR: European agreement concerning the international carriage of dangerous goods by road
- IMDG: International maritime dangerous goods code
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- COD: Chemical Oxygen Demand
- BOD5: 5-day biochemical oxygen demand
- BCF: Bioconcentration factor
- LD50: Lethal Dose 50
- CL50: Lethal Concentration 50
- EC50: Effective concentration 50
- Log-POW: Octanol–water partition coefficient
- Koc: Partition coefficient of organic carbon



The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this security data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -