

# MEBA

Creation date 05/12/2015 - Rev. N° 2 - 10/01/2023

## 1 - IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>1.1</b>	<b>Product identification</b>	Product with specific action (inoculation of mycorrhizal fungi)
	<b>Product Name</b>	<b>MEBA</b>
	<b>Degree</b>	Liquid
	<b>REACH Register No.</b>	Product not subject to REACH registration (all. V)
<b>1.2</b>	<b>Identified and recommended uses for the substance or mixture</b>	
	<b>Identified uses</b>	AGRICULTURE AND ENVIRONMENTAL GREEN Allowed in organic farming
<b>1.3</b>	<b>Information on the supplier of the safety data sheet</b>	
	<b>Society</b>	SPECIALAGRI S.R.L.
	<b>Production plant address</b>	Via Lombardia 11/a 37044 Cologna Veneta VR
	<b>Phone / Fax</b>	+39 0442412833
	<b>E-mail address</b>	info@specialagri.it
<b>1.4</b>	<b>Emergency telephone number</b>	+39 0442 412833 only during office hours  ITALY - POISON CONTROL CENTERS (24h / 365d): Milan - Niguarda Ca' Granda Hospital - +39 0266101029 (24 hours)  Poison Control Center Turin - Phone +39 011 663 7637 (24 hours)  Poison Control Center IRCCS Maugeri Foundation Pavia - Phone +39 38 224 444 (24 hours)  Interdepartmental Research Centre on Acute Intoxication Padua - Phone +39 049 8275078 (8:00-20:00)  Poison Control Center Rome - Phone +39 649970698 (24 hours)  Poison Control Center Foggia - Phone +39 881732326

## 2 – HAZARD IDENTIFICATION

<b>2.1</b>	<b>Classification of the substance or mixture</b>		
	<i>This mixture is classified as <b>non-hazardous</b> in accordance with current directives</i>		
2.1.1	<b>European Regulation (EC) 1272/2008, as mentioned</b>		
2.1.2	<b>Classification according to CLP (Classification Labelling and Packaging, Regulation (EC) No 1272/2008).</b>		
	<b>Hazard class</b>	<b>Hazard category</b>	<b>H-phrases</b>
	None	None	None
<b>2.2</b>	<b>Label elements:</b>		
2.2.1	<b>Names on label:</b>	No labeling	
2.2.2	<b>Signal word:</b>	None	
2.2.3	<b>Hazard pictograms:</b>	None	
2.2.4	<b>Hazard statements:</b>	None	
2.2.5	<b>Precautionary statements:</b>	None	
<b>2.3</b>	<b>Other hazards:</b> The product is biologically inert. Not dangerous under normal handling and use. Ecological damage is neither known nor foreseeable under normal conditions of use. PBT and vPvBT substances are not present. The substance has no endocrine disrupting properties.  Permitted use in organic farming		

### 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1	Mixtures			
Name	CAS No.	Symbol	Risk phrases	Classification according to (EC) No 1272/2008
Inoculation of mycorrhizal fungi not genetically modified, not dangerous.	None	None	None	Not classified Not dangerous
Rhizosphere bacteria	None	None	None	Not classified Not dangerous

This is a balanced blend of micro-cultures, nutrients and stabilizers, which are believed to assist with nitrogen fixation and improvement of agricultural soils.

Note: Dangerous products used for the culture medium have a concentration of less than 0.1%, so they are not taken into account for classification purposes.

### 4 – FIRST AID MEASURES

4.1	Determination of first aid measures	
4.1.1	Inhalation	No precautions if inhaled
4.1.2	Skin contact	It is not irritating, still avoid prolonged contact
4.1.3	Eye contact	It is not irritating, it can be annoying if in contact with the eyes. It is advisable to rinse thoroughly with water
4.1.4	Ingestion	Not a likely route of exposure. However, in case of accidental ingestion, call a doctor
4.2	First aid measures in case of exposure to thermal decomposition gases	
4.2.1	Inhalation	No special precautions
4.2.2	Eye contact	Wash immediately and abundantly with water for at least 15 minutes, often retracting the eyelids. Contact your doctor if the burning continues.
4.2.3	Skin contact	For particularly sensitive skin, wash immediately with soap and water. Contact your doctor if it burns continuously.
4.2.4	Ingestion	Do not eat, drink, or smoke during use.

### 5 – FIRE MEASURES

5.1	Extinguishing media
5.1.1	The product is non-flammable. In case of fire it decomposes the package in which it is contained. Use Water, Powder, Foam, Chemical Powder, Carbon Dioxide (CO <sub>2</sub> )
5.2	Special hazards arising from the substance or mixture
	In the event of fire, hazardous substances due to decomposition can be produced.
5.3	Recommendations for firefighters
	Wear an autonomous respirator and protective clothing.
	In case of close intervention, wear antacid suits
	Evacuating personnel to safe areas
	Approaching danger. Keeping upwind.
	Protect the intervention team with water spray.
	Cool the containers and the surrounding environment with mist water.
	Keep the product and empty containers away from heat sources and ignition sources.
5.4	Protection of firefighters
5.4.1	Scuba
	Clothing, complete acid protection

### 6 – MEASURES IN CASE OF ENVIRONMENTAL RELEASE

6.1	Personal precautions, protective devices, and emergency procedures
	Provide adequate ventilation
	The material can make surfaces slippery.
	Collect to avoid the danger of slipping.
6.2	Environmental precautions
	It must not be abandoned in the environment.
	Do not discharge the wash flow into surface water or sanitary sewage systems.
6.3	Methods and materials for containment and remediation

	Sweep or vacuum what has been spilled and place in a suitable container provided for elimination.
<b>6.4</b>	<b>Reference to other sections</b>
	None

## 7 – HANDLING AND STORAGE

<b>7.1</b>	<b>Precautions for safe handling</b>
7.1.1	Precaution
	Provide adequate ventilation
	Use personal protective equipment
	Do not contaminate tobacco products
	Before each operation, clean and dry the pipes and equipment
7.1.2	<b>Security measures</b>
	If used for intended use no particular measure is required
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b>
7.2.1	<b>Storage</b>
	Keep in a cool, dry place
7.2.2	<b>Packaging</b>
	HDPE bottles, jerry cans and IBCs

## 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

<b>8.1</b>	<b>Control parameters</b>
8.1.1	Exposure limit values
	None
<b>8.2</b>	<b>Exposure controls</b>
8.2.1	Apown engineering controls
8.2.2	<b>Personal protection measures</b>
8.2.2.1	Respiratory protection
	Normally no respiratory protective equipment is required. In case of dust/mists/fumes, dust mask with P2 filter.
8.2.2.2	<b>Hand protection</b>
	Latex gloves
8.2.2.3	<b>Eye protection</b>
	Tight-fitting safety goggles.
8.2.2.4	<b>Body protection</b>
	Safety shoes
8.2.2.5	<b>Hygiene measures</b>
	While using, do not eat, drink or smoke. Wash your hands before breaks and at the end of the working day. Handle in accordance with good industrial hygiene and appropriate safety practices
8.2.3	Environmental exposure control
	None

## 9 – CHEMICAL-PHYSICAL PROPERTIES

<b>9.1</b>	<b>Informationonbasic physical and chemical properties.</b>	
	Formulated based on microorganisms of the Rhizosphere in aqueous suspension, stabilized with natural additives easily biodegradable	
9.1.1	<b>General information</b>	
	Aspect	Liquid
	Smell	Characteristic
	Color	Brown
	Relative density	1.0 kg/L
	Melting point	It has not been determined
	ph	4 -7
	Boiling point	It has not been determined
	Flash point	It is non-flammable
	Explosive properties	It is not explosive

	Oxidizing properties	It is not oxidant
	Vapour density	It has not been determined
	Solubility in water	Soluble
	Solubility in organic solvent	It is not soluble
	Percentage of birds	Does not contain volatile substances
	VOC	No VOC calculation required

#### 10 – STABILITY AND REACTIVITY

<b>10.1</b>	<b>Stability</b>	
		The product is stable under normal conditions of use and storage.
<b>10.2</b>	<b>Chemical stability</b>	
		The product is chemically stable.
<b>10.3</b>	<b>Possibility of dangerous reactions</b>	
		None
<b>10.4</b>	<b>Conditions to avoid</b>	
		None
<b>10.5</b>	<b>Incompatible materials</b>	
		Unknown
<b>10.6</b>	<b>Dangerous decomposition products</b>	
		Unknown

#### 11 – TOXICOLOGICAL INFORMATION

<b>11.1</b>	<b>Acute toxicity</b>	
		Data not available
<b>11.1.1</b>	<b>Acute oral toxicity</b>	
		Data not available
<b>11.1.2</b>	<b>Acute inhalation toxicity</b>	
		Data not available
<b>11.2</b>	<b>Skin corrosion/irritation</b>	
		Data not available
<b>11.3</b>	<b>Severe eye injury / Eye irritation</b>	
		Data not available
<b>11.4</b>	<b>Sensitization</b>	
		Data not available
<b>11.5</b>	<b>Mutagenicity</b>	
		Data not available
<b>11.6</b>	<b>Carcinogenicity</b>	
		Not classifiable as carcinogenic to humans
<b>11.7</b>	<b>Toxic to reproduction</b>	
		Data not available
<b>11.8</b>	<b>Repeated dose toxicity</b>	
		Data not available
<b>11.9</b>	<b>Other information</b>	
		No

### 12 – ECOLOGICAL INFORMATION

<b>12.1</b>	<b>Toxicity</b>
	Data not available
<b>12.2</b>	<b>Persistence and degradability</b>
	Data not available
12.2.1	<b>Abiotic degradation</b>
	Data not available
12.2.2	<b>Biodegradation</b>
	Data not available
<b>12.3.</b>	<b>Bi-accumulation potential</b>
	Data not available
<b>12.4.</b>	<b>Mobility in soil</b>
	Data not available
<b>12.5.</b>	<b>Results of PBT and vPvB assessment</b>
	Data not available
<b>12.6.</b>	<b>Endocrine disrupting properties</b>
	Based on the available data, the substance is not listed in the main European lists of potential or suspected endocrine disruptors with effects on the environment under evaluation.
<b>12.7.</b>	<b>Other adverse effects</b>
	Data not available

### 13 – CONSIDERATION OF DISPOSAL

<b>13.1</b>	<b>Waste treatment methods</b>
	The product that is not recyclable must be disposed of in authorized landfills
<b>13.2</b>	<b>Contaminated containers</b>
	Dispose of in authorized landfills according to local laws and regulations.

### 14 – TRANSPORT INFORMATION

<b>14.1</b>	<b>Specific hazards</b>
	The product is not classified as dangerous in transport
<b>14.2</b>	<b>Packaging information</b>
	PE jerry cans and jars, IBC
<b>14.3</b>	<b>International transport classification</b>
	Packaging group: Not assigned
	U.N. Number: Not assigned

### 15 – REGULATORY INFORMATION

<b>15.1</b>	<b>Safety, health and environmental standards/specific legislation for the substance or mixture</b>
	<p>This mixture is not subject to registration as per Regulation (EC) No 1907/2006 This mixture is not subject to Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer, Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 77/117/EEC and Regulation (EC) No 649/2012 of the European Parliament European and Council of 4 July 2012 concerning the export and import of hazardous chemicals</p> <p>This safety data sheet has been prepared in accordance with Regulation (EC) no. 2015/830</p> <p>Regulation (EC) No 2020/880</p> <p><u>Substances on the Candidate List (Art. 59 REACH)</u></p> <p>Based on the available data, the product does not contain SVHC substances at a rate <math>\geq</math> to 0.1%.</p>
<b>15.2</b>	<b>Chemical Safety Assessment (CSA)</b>
	Unsolicited

**16 – OTHER INFORMATION**

<b>16.1</b>	<b>Text of hazard statements "H" referred to in sections 2-3</b>
	No
<b>16.2</b>	<b>Text of the "P" phrases quoted in sections 2-3</b>
	No
<b>16.3</b>	<b>Other information</b>
	<p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769/EEC and Commission Directives 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council.</p> <p>Commission Regulation EEC/EU No. 453 of 20/05/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council.</p> <p>Regulation EEC / EU n. 1272 of 16/12/2008 "Regulation (EC) n.1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures amending and repealing Directives 67/548 / EEC and 1999/45 / EC and amending Regulation (EC) n.1907/2006.</p> <p><b>GENERAL BIBLIOGRAPHY:</b></p> <ol style="list-style-type: none"> <li>1. Regulation (EC) 1907/2006 of the European Parliament (REACH)</li> <li>2. Regulation (EC) 1272/2008 of the European Parliament (CLP)</li> <li>3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)</li> <li>4. Regulation (EU) 2015/830 of the European Parliament</li> <li>5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)</li> <li>6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)</li> <li>7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)</li> <li>8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)</li> <li>9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)</li> <li>10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)</li> <li>11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)</li> <li>12. Regulation (EU) 2016/1179 (IX Atp. CLP)</li> <li>13. Regulation (EU) 2017/776 (X Atp. CLP)</li> <li>14. Regulation (EU) 2018/669 (XI Atp. CLP)</li> <li>15. Regulation (EU) 2018/1480 (XIII Atp. CLP)</li> <li>16. Regulation (EU) 2019/521 (XII Atp. CLP)</li> <li>17. Regulation (EU) 2020/217 (XIV Atp. CLP)</li> <li>18. Regulation (EU) 2020/1182 (XV Atp. CLP)</li> <li>19. Regulation (EU) 2021/849 (XVII Atp. CLP)</li> <li>20. Regulation (EU) 2020/692</li> </ol> <ul style="list-style-type: none"> <li>- The Merck Index. - 10th Edition</li> <li>- Handling Chemical Safety</li> </ul>

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