SAFETY DATA SHEET
ACCORDING TO 1907/2006/EC, 453/2010/EU, 2015/830/EU (REACH)

ACTICELL BIO-CALBOR

1.1 Product Identifier
Product Name: ACTICELL BIO-CALBOR
Product description: Fertiliser
Product Type: Suspension Concentrate

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant uses: Fertiliser
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
Rolfes Agri (Pty) Ltd
288 Mundt Street
Waltloo
Pretoria
South Africa
Tel: +27(0)12 803 0145
Fax: +27(0)12 803 8418

1.4 Emergency telephone number
National advisory body/Poison Centre

Telephone number: SOUTH AFRICA
Griffon Poison Information Centre
(24 Hour Poisoning Emergency Helpline)
+27(0)82 446 8946

Revised on / Version: 27.09.2019 / 0002
Replaces revision of / Version: 11.2016 / 0001

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:
CLP Regulation (EC) no 1272/2008:
Not classified as dangerous

2.2 Label elements
CLP Regulation (EC) no 1272/2008:

<table>
<thead>
<tr>
<th>Hazard pictogram(s)</th>
<th>Signal word</th>
<th>Hazard statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>Not hazardous</td>
</tr>
</tbody>
</table>

Precautionary statement(s):

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.
P501 - Dispose of the contents/containers in accordance with the current legislation on waste treatment.

2.3 Other hazards: Non-applicable

SECTION 3: Composition/information on ingredients

3.1 Substance: Non-applicable

3.2 Mixture:

Chemical description: Multi-constituent Substance

Components:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS</th>
<th>EC</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate</td>
<td>471-34-1</td>
<td>207-439-9</td>
<td>&gt; 40%</td>
</tr>
<tr>
<td>Boric Acid</td>
<td>10043-35-3</td>
<td>233-139-2</td>
<td>&lt; 5%</td>
</tr>
</tbody>
</table>

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.

By inhalation:
Remove to fresh air. If not breathing gives artificial respiration. If breathing is difficult, give oxygen. Do not give mouth-to-mouth resuscitation if victim ingested or inhaled the substance. Keep person at rest and warm. Treat symptomatically and supportively as and when required. Obtain medical advice if necessary.

By skin contact:
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.
By eye contact:
Rinse eyes thoroughly for at least 15 minutes with lukewarm water, ensuring that the person affected does not rub or close their eyes.

By ingestion / aspiration:
Have victim rinse mouth thoroughly with water. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if necessary.

4.2 Most important symptoms and effects, both acute and delayed
No information available.

SECTION 5: Firefighting measures

5.1 Fire Extinguishing Media

Suitable extinguishing media:
Use any means suitable for extinguishing surrounding fire.

Unsuitable extinguishing media:
None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture:
Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products:
No information available.

5.3 Additional provisions:
Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. 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 the 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:
Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways or soil). Collect spillage

6.3 Methods and materials for containment and cleaning up
Absorb the spillage using sand, saw dust or inert absorbent and move it to a safe place. For any concern related to disposal consult section 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.
B. Technical recommendations for the prevention of fires and explosions
   Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.

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. For additional information see subsection 10.5

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
   Occupational exposure limits (OEL): None
   Biological exposure indices (BEI): None
   Additional exposure limits under the conditions of use: None

8.2 Exposure controls
   Information concerning exposure control is provided in the Exposure scenarios elaborated by calcium carbonate.

   Appropriate engineering controls:
   No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

   Individual protection measures

   Hygiene measures:
   Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

   Eye/face protection:
   Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Possible: safety glasses with side-shields

   Skin protection

   Hand protection:
   Protective gloves against minor risks.

   Body protection:
   Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection:
Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection:
Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary.

Environmental exposure controls:
Prevent product from entry into sewers and water courses

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

**Appearance**
- Physical state: Suspension liquid.
- Colour: Beige
- Odour: Pungent odour.
- Solubility: Dispersible in water
- pH: 6.60
- Density at 20 ºC: 1.52

9.2 Other information: No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity: No hazardous reactions are expected because the product is stable under recommended storage conditions. 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 specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid: No Information available.

10.5 Incompatible materials: No Information available.

10.6 Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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.

SECTION 12: Ecological information

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

12.1 Toxicity: No information available.

12.2 Persistence and degradability: No information available.
SECTION 12: Side effects

12.3 Bio accumulative potential: Not expected.
12.4 Mobility in soil: No information available
12.5 Results of PBT and vPvB assessment: No information available
12.6 Other adverse effects: No information available.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance.

13.1 Waste treatment methods

Product
Methods of disposal:
The generation of waste should be avoided or minimised wherever possible. Significant quantities
of waste product residues should not be disposed of via the foul sewer but processed in a suitable
effluent treatment plant. Disposal of this product, solutions and any by-products should at all times
be in accordance with municipal, provincial and national regulations.

Hazardous waste: Non-hazardous waste.

Packaging
Methods of disposal:
The generation of waste should be avoided or minimised wherever possible. Waste packaging
should be recycled.

Special precautions:
This material and its container must be disposed of in a safe way. Rinse the empty container three
times in succession with one quarter of the container volume fresh water. Puncture the triple rinsed
container and dispose of via an approved collector or recycler. Do not bury, burn or donate the
container to any other parties that may use it as a container for food or beverages. Avoid dispersal
of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>Land transport (ADR/RID)</th>
<th>Inland waterway transport (AND/ADNR)</th>
<th>Sea Transport (IMDG)</th>
<th>Air transport (ICAO-TI / IATA-DGR)</th>
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<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
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</tbody>
</table>

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SECTION 15: Regulatory information

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

Relevant information regarding restrictions:
EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

Other National regulations:
SANS 10228:2012 - The identification and classification of dangerous goods for transport by road and rail modes.

15.2 Chemical Safety Assessment: Not available.

SECTION 16: Other information

16.1 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) Nº 1907/2006 (Regulation (EU) Nº 453/2010, Regulation (EC) Nº 2015/830)

16.2 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://echa.europa.eu

Relevant P-, H- and EUH-phrases (number and full text)
P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.
P501 - Dispose of the contents/containers in accordance with the current legislation on waste treatment.

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

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Version : 2

Notice to reader

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