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|                                  | <b>MATERIAL SAFETY DATA SHEET</b> | Page 1 of 2<br>Date: 29 October 2022 |
| <b>Advanced Amino basic plus</b> |                                   |                                      |

#### 1 IDENTIFICATION OF MATERIAL AND COMPANY

- 1.1. *Identification of material*  
1.1.1 Code : F 0064  
1.1.2 Name : Advanced Amino basic plus
- 1.2. *Identification of manufacturer*  
1.2.1 Company : Aminocore Deutschland GmbH  
1.2.2 Address : Sandhook 42, 48531 Nordhorn, Germany
- 1.3. *Emergency Telephone* : Contact your national Anti Poison Centre (only to be contacted by a physician) or Aminocore Deutschland GmbH +49 (0)592 171 193 31

#### 2 COMPOSITION

- 2.1. *Active ingredients* : AMINOACIDS  
2.2. *Cas-No.* : 9015-54-7  
2.3. *EINECS-No.* :  
2.4. *Molecular weight* : Not available  
2.5. *Description* : Water solution of amino acids from natural sources used as bio stimulant for plants  
2.6. *Systematic name* : None  
2.7. *Dangerous impurities* : None  
*Hazardous substance classification* : None (according to Directive EC 1272/2008)

#### 3 HAZARDOUS SUBSTANCE CLASSIFICATION

None (according to Directive EC 1272/2008)

#### 4 FIRST AID MEASURES

- 4.1. *General information* : Seek immediate medical assistance when undesirable effects occur.  
4.2. *Inhalation* : Not applicable as product is liquid and not volatile  
4.3. *Ingestion* : No known hazards from this product. If any doubt seek medical attention  
4.4. *Skin contact* : May cause irritation. From hygienic point of view it is recommended to avoid skin contact as much as possible. Wash off with disinfecting soap and plenty of water.  
4.5. *Eye contact* : May cause irritation. Irrigate eye thoroughly with (warmish) water or eye wash solution. Seek medical attention if irritation persists.

#### 5 FIRE FIGHTING MEASURES

- 5.1. *Suitable extinguishing agents* : Powder, water, foam, carbon dioxide and/or sand  
5.2. *Remarks* : As in all cases of fire, avoid smoke inhalation

#### 6 ACCIDENTAL RELEASE MEASURES

- 6.1. *Personal precautions* : None. If desired, use proper (breathing) protection  
6.2. *After spillage / leakage* : If spillage occurs, contain product and transfer to containers ready for disposal

#### 7 HANDLING AND STORAGE

- 7.1. *Handling* : No special precautions are required whilst handling. If desired wear suitable clothing (including gloves, eye protection and overall).  
7.2. *Storage* : Store in original container in a fresh and dry place. Contamination with other products has to be prevented

#### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1. *Occupational Exposure Limits* : No OEL available  
8.2. *Personal protection*  
8.2.1. *Respiratory protection* : Not required  
8.2.2. *Skin Protection* : Not required, but, if desired, apron, overall and chemical safety boots  
8.2.3. *Eye protection* : Not required, but, if desired, use chemical splash goggles or face shield  
8.2.4. *Ingestion* : Foods and beverages should not be consumed in the vicinity of the work area. Wash hands before work breaks and on finishing the work  
8.3. *Environmental protection* : Product is biodegradable. In case of overflow or discharge blockage of sewage system can occur. See also section 6 (accidental release measures) and 7 (Handling and storage)



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| <b>Advanced Amino basic plus</b> |                                   |                                      |

## 9 PHYSICAL AND CHEMICAL PROPERTIES

|                                     |                     | Solid | Liquid | Gas |
|-------------------------------------|---------------------|-------|--------|-----|
| 9.1. <i>Physical state</i>          | - at 20°C           | :     | -      | x   |
|                                     | - at 100°C          | :     | -      | x   |
| 9.2. <i>Colour</i>                  | : Dark brown        |       |        |     |
| 9.3. <i>Odour</i>                   | : Sweet             |       |        |     |
| 9.4. <i>pH</i>                      | : 4.8 - 5.8         |       |        |     |
| 9.5. <i>Relative density (20°C)</i> | : 1.115 g/l         |       |        |     |
| 9.6. <i>Boiling point</i>           | : 102°C             |       |        |     |
| 9.7. <i>Ignition point</i>          | : Non-flammable     |       |        |     |
| 9.8. <i>Solubility</i>              | :                   |       |        |     |
| - in water (20°C)                   | : Very soluble      |       |        |     |
| - in polar organic solvents         | : Soluble           |       |        |     |
| - in non-polar organic solvents     | : Partially soluble |       |        |     |

## 10 STABILITY AND REACTIVITY

Stable under normal conditions (see also section 7).

|                                  |                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 10.1. <i>Conditions to avoid</i> | : None                                                                                                                                       |
| 10.2. <i>Materials to avoid</i>  | : None                                                                                                                                       |
| 10.3. <i>Hazardous reactions</i> | : In case of fire (as in all cases of fire) formation of amongst others carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ) can occur |

## 11 TOXICOLOGICAL INFORMATION

No toxic effects are known.

## 12 ECOLOGICAL INFORMATION

|                                   |                                                               |
|-----------------------------------|---------------------------------------------------------------|
| 12.1. <i>Biodegradability</i>     | : The product is biodegradable                                |
| 12.2. <i>Environmental hazard</i> | : The product is unlikely to present any environmental hazard |

## 13 DISPOSAL CONSIDERATION

Dispose of (spilled) product in a safe manner, according to national regulations

## 14 TRANSPORT INFORMATION

This product is not listed in the Annexe I of the community Directive 67/548/CEE. No special measures

## 15 REGULATORY INFORMATION

Not necessary

## 16 OTHER INFORMATION

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**This Safety Data Sheet accomplishes the European Directive 91/155/CEE**

