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### Biological Technical Engineering Office

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## B'CUZZ HYDRO FERTILIZER A MATERIAL DATA SHEET

### 1. IDENTITY / DESCRIPTION

1.1 Identity:                      Hydro Fertilizer A  
1.2 Manufacturer:              Atami  
1.3 Contact information:      See above

*B'CUZZ  
Hydro Nutrients A*

### 2. HAZARDOUS INGREDIENTS IDENTITY INFORMATION

2.1 Hazardous components: None, not classified in any hazardous substance class.  
2.2 Chemical character:

Magnesiumsulfaat              < 5 %  
Calciumnitraat                  5-15 %

### 3. PYHSYCAL / CHEMICAL CHARATERISTICS

3.1 Boiling point:                  100 degrees C  
3.2 Specific gravity:              1.23 g/cm3  
3.4 Melting Point:                1 degrees C.  
3.6 Solubility in water:        Small  
3.8 Form:                            Liquid  
3.9 Appearance:                  Liquid red  
3.10 Odour:                         None  
3.11 pH (at g/L H<sub>2</sub>O):            pH 5

#### 4. FIRE AND EXPLOSION HAZARD DATA

4.1	Flash point:	None
4.2	Flammable limits:	None
4.3	LEL:	None
4.4.	UEL:	None
4.5	Extinguishable Media:	Not required
4.6	Special Fire Fighting Procedures:	None
4.7	Unusual Fire & Explosion Hazards:	None
4.8	Ignition temperature:	None
4.9	Hazardous decomposition:	None
4.10	Hazardous reactions:	None

#### 5. REACTIVITY DATA

5.1	Stability:	Stable
5.2	Incompatibility:	None
5.3	Hazardous Decomposition	None
5.4	Hazardous reactions	Will not occur

#### 6. HEALTH HAZARD DATA

6.1	Route of Entry / Inhalation:	None
6.2	Route of Entry / Skin:	Wash of with richly water
6.3	Route of Entry / Digestion	Potential for mild diarrhoea caused by enzymatic action with bacteria in the stomach
6.4	Health Hazards (Acute & Chronic):	Not a hazardous substance
6.5	Carcinogenicity:	N / A
6.6	Signs & Symptoms of Exposure:	None
6.7	Medical Conditions Generall Aggravated by Exposure:	Potential for mild diarrhoea if taken internally In concentrate form
6.8	Emergency First Aid Procedures:	Wash eye's out with Water for 15 minutes. If swallowed, drink one quart of water to dilute.

## 7. PRECAUTION FOR SAFE HANDLING, STORAGE AND USE OF PRODUCT

- |     |   |                        |
|-----|---|------------------------|
| 7.1 | Technical Protection Measures:                              | No Special Precautions |
| 7.2 | Personal Protection including,<br>Breathing, Eye and Hands: | No Special Precautions |
| 7.3 | Fire and explosion protection:                              | No Special Precautions |
| 7.4 | Recommended storage condition:                              |                        |

Storage temperature should be between 10 degrees C & 40 degrees C. (i) Temperatures over 90 degrees C may result in thermal Decomposition. By-products totally benign, organic matter, water carbon.

Precaution: Dilute with water and wash away. (ii) Change of state may occur at temperatures over 70 degrees C, causing a coagulation of protein.

Precaution: Dilute with water and wash away. Indicators of points (i) and (ii) will be a separation of products into light liquid on top half and more dense liquid on bottom of container.

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|-----|--|--|
| 7.5 | Precautions on Handling:                               | No danger from handling packaged material.   |
| 7.6 | Waste Disposal Method<br>Released or Spoiled Material: | Products is biodegradable. Small spills can be washed away with water.<br>Large spills if uncontaminated, can be Returned to container, or washed away with water. |

## 8. CONTROL MEASURES

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|-----|---|---|
| 8.1 | Respiratory Protection:                             | None required   |
| 8.2 | Ventilation:  | None required   |
| 8.3 | Protective Gloves:                                  | None required   |
| 8.4 | Eye Protection:                                     | None required   |
| 8.5 | Other Protective Clothing or Handling<br>Equipment: | None required   |
| 8.6 | Work / Hygienic Practices:                          | Product is sterile in concentrated form.<br>Wash hands after contact with soap and water prior to eating or drinking. |