



HESI plantenvoeding
Edisonstraat 11-17
6372 AK Landgraaf
Nederland

Tel 0031 45 5690420
Fax +31 45 5690421
e-mail: Hesi@orange.nl
web-site www.Hesi.nl

MATERIAL SAFETY DATA SHEETS Hesi Coco

1. Identity / Description

product name:

1.1. identity:

1.2. manufacturer:

1.3. contact information:

Hesi Coco

**liquid NPK fertilizer for ornamental plants
enriched with micronutrients, vitamins and aminoacids**

Hesi plantenvoeding BV

**Hesi plantenvoeding, Tel 0031 45 5690420,
Edisonstraat 11-17
6372 AK Landgraaf, Nederland**

2. Hazardous ingredients identity information

2.1. Hazardous components:

None, not classified in any hazardous substance class:

2.2. ingredients

macronutrients

total nitrogen %: 3,0

available phosphoric oxide (P₂O₅) % : 3,9

soluble potash: (K₂O) % : 5,2

Calcium CaO 0,1

Magnesium MgO 0,4

micronutrients

iron (Fe) % actual 0,01

zinc (Zn) % actual 0

manganese (Mn) % actual 0

copper (Cu) % actual 0

* all EDTA chelated

chelating agent (EDTA) % 0,09

boron (B) % actual 0

molybdenum (Mo) actual 0

other ingredients

in smaller amounts than 0,0003%

Vitamins (B1, B2, B6)

amino acids (glycine, histidine), inositol (sugar)



HESI plantenvoeding
Edisonstraat 11-17
6372 AK Landgraaf
Nederland

Tel 0031 45 5690420
Fax +31 45 5690421
e-mail: hesi@orange.nl
web-site www.Hesi.nl
vatnumber: NL804750142.B01

3. Physical / Chemical Characteristics

| | |
|----------------------------|---|
| 3.1. boiling point: | >105 degrees C |
| 3.2. specific gravity: | 1,110 g/cm ³ |
| 3.3. vapour pressure: | below 1 |
| 3.4. melting point: | > - 6 degrees C |
| 3.5. vapor density (air=1) | N/A |
| 3.6. solubility in water: | 100% |
| 3.7. viscosity: | N/A |
| 3.8. form: | liquid |
| 3.9. appearance: | orange |
| 3.10. odor: | smells slightly like yeast (vitamin B1) |
| 3.11. pH (concentrate) | 3,8 - 4,0 |

4. Fire and explosion hazard data#

| | |
|--|--|
| 4.1. flash point: | not flammable |
| 4.5. extinguishable media: | water, dry chemical, carbon dioxide and foam |
| 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 in normal use and storage Store in original container |
| 5.2. incompatibility: | N/N |
| 5.3. hazardous decomposition: | N/N |
| 5.4. hazardous reactions: | N/N |
| 5.5 hazardous polymerisation | will not occur |

6. Health Hazard data

| | |
|---|--|
| 6.1. route of entry (inhalation) | not usually a problem. Remove to fresh air, if necessary |
| 6.2. route of entry (skin) | flush with water (eyes 15 minutes) (skin: wash with water and soap) |
| 6.3. route of entry (digestion) | treat symptomatically, drink water to dilute |
| 6.4. health hazards (acute & chronic) | no hazardous material |
| 6.5. carcinogenicity: | N/A |
| 6.6. signs and symptoms of exposure: | none |
| 6.7. medical condition generally aggravated by exposure: | potential for mild diarrhea if taken internally in concentrate form |



HESI plantenvoeding

Edisonstraat 11-17
6372 AK Landgraaf
Nederland

Tel 0031 45 5690420

Fax +31 45 5690421

e-mail: hesi@orange.nl

web-site www.Hesi.nl

6.8. emergency first aid procedures:**eye contact:****skin contact****inhalation****ingestion****flush with water for 15 minutes****wash affected area with soap and water,****change contaminated clothing****not usually a problem. Remove to fresh air,**
if necessary**treat symptomatically****7. PRECAUTION FOR SAFE HANDLING; STORAGE; AND USE OF PRODUCT**

7.1. technical protection measures:

no special precaution7.2. personal protection including breathing,
eye and hands:**not usually necessary**

7.3. recommended storage conditions:

tightly closed. store between 5 and
50 degrees celcius. Avoid freezing

7.4. precaution on handling:

do not contaminate water, food or feed
by storage or disposal, keep out of reach of children

7.5. spill or leak procedures:

sweep up and place in container,
wash down area with water

7.5. waste disposal

place in container**8. CONTROL MEASURES:**

8.1. respiratory protection:

not required

8.2. ventilation:

not required

8.3. protective gloves:

not required

8.4. eye protection:

not required

8.5. other protective or handling equipment:

not required

8.6. work/ hygienic practices:

wash hands after contact and before eating
and drinking.**do not eat, drink or smoke, while working**
with substance**Abbreviations:**

N/A: Not applicable

N/N: None Known

The information contained herein is based on the present state of knowledge.

It characterizes the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properties of the product.

21.01.2009