



HESI plantenvoeding
Edisonstraat 11-17
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MATERIAL SAFETY DATA SHEET Hesi Bloom Complex

1. Identity / Description

product name:

Hesi Bloom Complex

1.1. identity:

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

1.2. manufacturer:

Hesi plantenvoeding bv

1.3. contact information:

**Hesi plantenvoeding, Tel 0031 45 5690420,
Edisonstr 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 %: 3,40

available phosphoric oxide (P₂O₅) % : 2,60

soluble potash: (K₂O) % : 3,40

Calcium CaO 0,0100

Magnesium MgO 0,2000

micronutrients

iron (Fe) % actual 0,0050

zinc (Zn) % actual 0,0010

manganese (Mn) % actual 0,0016

copper (Cu) % actual 0,0004

* all EDTA chelated

chelating agent (EDTA) % 0,0900

boron (B) % actual 0,0013

molybdenum (Mo) actual 0,0003

other ingredients

in smaller amounts than 0,0003%

Vitamins (B1, B2, B6)

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



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3.1. boiling point:	>105 degrees C
3.2. specific gravity:	1,064 g/cm3
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:	green
3.10. odor:	smells slightly like yeast (vitamin B1)
3.11. pH (concentrate)	4,4 - 4,6

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



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eye contact:	flush with water for 15 minutes
skin contact	wash affected area with soap and water, change contaminated clothing
inhalation	not usually a problem. Remove to fresh air, if necessary
ingestion	treat symptomatically

7. PRECAUTION FOR SAFE HANDLING; STORAGE; AND USE OF PRODUCT

- | | |
|--|---|
| 7.1. technical protection measures: | no special precaution |
| 7.2. 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.