



HESI plantenvoeding

Edisonstraat 11-17
6372 AK Landgraaf

Tel 0031 45 5690420
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e-mail: Hesi@orange.nl
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MATERIAL SAFETY DATA SHEETS

Hesi pH minus Bloom

1. Identity / Description

product name:

pH minus Bloom

1.1. identity:

liquid PH corrector for nutrient solutions for flowering plants

1.2. manufacturer:

Brinkman Agro BV, s-Gravenzande, NL
tel.: 0174 446100

1.3. contact information:

Hesi plantenvoeding, Tel 0031 45 5690420,
Edisonstraat 11-17

1.4. Package information

6372 AK Landgraaf, Nederland
PE bottle with 1000ml and safety-locked closing

2. Hazardous ingredients identity information

2.1. Hazardous components: phosphoric acid 59%

2.2. ingredients

| | | |
|-----------------|-----|--------------|
| Phosphoric acid | 59% | H3PO4 |
|-----------------|-----|--------------|

Classification:

UN Nr. 1805 R-phrase **34**

EINIGSNR. 231-633-2 S-phrases **2, 26**

symbol **C**

corrosive

3. Health Hazard data

Causes burns

3.1. route of entry (inhalation) **burns, inhalation of vapours may lead to damages of the respiratory tract**

3.2. route of entry (skin) **burns**

(eye) **burns**

3.3. route of entry (digestion) **tissue damage**

4. emergency first aid procedures:

eye contact:

flush with water for 15 minutes, call in physician IF NECESSARY

skin contact

**wash off affected area with soap and plenty of water,
change contaminated clothing**

inhalation

Remove to fresh air, call in physician if necessary

ingestion

**make victim drink plenty of water (if necessary several litres)
avoid vomiting (risk of perforation) Immediately call in
physician, Do not attempt to neutralize.**



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5. Fire and explosion hazard data

5.1. flash point:

not flammable

5.2. extinguishable media:

water

5.3. special fire fighting procedures:

do not stay in dangerous zone without
self-containing breathing apparatus
in order to avoid contact with skin, keep a safety
distance and wear suitable protective clothing
not available

5.5. ignition temperature:

Reactivity data

5.8. stability: normal conditions
conditions to be avoided

stable

5.9. incompatibility:

strong heating
basic substances and metals

5.3. hazardous decomposition:

in the event of fire nitrous gases

5.4. hazardous reactions:

avoid metals: hydride

5.5 hazardous polymerisation

will not occur

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

6.1. technical protection measures:

no special precaution

6.2. personal protection **breathing,**

by normal use not necessary
required

eye

PVC gloves

hands:

6.3. recommended storage conditions:

tightly closed. store between 15 and
25 degrees celcius. Protected from direct
sunlight

6.4. precaution on handling:

should be handled with the care usual when
dealing with chemicals

6.5. spill or leak procedures:

do not allow to enter water, waste water or soil
take up with liquid-absorbent, forward for disposal
place in container
clean up affected area.



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MSDS Hesi ph minus bloom

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7. Physical / Chemical Characteristics

| | |
|----------------------------|---------------------|
| 7.1. boiling point: | 158 degrees celcius |
| 7.2. specific gravity: | 1,42 g/cm3 |
| 7.3. vapour pressure: | 2 hPa |
| 7.4. melting point: | - 17 degrees C |
| 7.5. vapor density (air=1) | N/A |
| 7.6. solubility in water: | 100% |
| 7.7. Viscosity dynamic: | N/A |
| 7.8. form: | liquid |
| 7.9. appearance: | colourless |
| 7.10. odor: | pungent |
| 7.11. pH (concentrate) | ~0,7 |

8. CONTROL MEASURES:

| | |
|--|--|
| 8.1. respiratory protection: | ventilation |
| 8.2. ventilation: | required |
| 8.3. protective gloves: | required |
| 8.4. eye protection: | required |
| 8.5. other protective or handling equipment: | acid-resistant clothing |
| 8.6. work/ hygienic practices: | wash hands after contact and before eating and drinking. do not eat, drink or smoke, while working with substance |

9. Transport

| | |
|----------|---------|
| UN Nr. | 1805 |
| ADR RID: | 8, III |
| IMO/IMDG | class 8 |



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10. Regulatory information

Symbol C corrosive

R-phrases 34 causes burns

S-phrases 2 Keep out of the reach of children.

In case of contact with eyes, rinse immediately with
26 plenty of water and seek medical advice.

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.

21.09.2009