



HESI plantenvoeding

Edisonstraat 11-17
6372 AK Landgraaf

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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
6372 AK Landgraaf, Nederland

1.4. Package information

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
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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 (risc 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 |
| 5.5. ignition temperature: | not available |

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,
eye
hands: | by normal use not necessary
required
PVC gloves |
| 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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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