



HESI plantenvoeding
Edisonstraat 11-17
6372 AK Landgraaf
Nederland

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MATERIAL SAFETY DATA SHEET Hesi PK 13/14

1. Identity / Description

product name:

Hesi PK 13/14

1.1. identity:

liquid PK fertilizer for ornamental plants

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

available phosphoric oxide (P₂O₅) % :

9,00

soluble potash: (K₂O) % :

5,00

3. Physical / Chemical Characteristics

3.1. boiling point:

>105 degrees C

3.2. specific gravity:

1,191 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:

colourless

3.10. odor:

none

3.11. pH (concentrate)

3,8-4,0



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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 general aggravated by exposure: | none |

6.8. emergency first aid procedures:

| | |
|--------------|---|
| 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 |



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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 knowlegde.
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