



HESI plantenvoeding

Tel 0031 45 5690420

Fax +31 45 5690421

Edisonstr 11-17
6372 AK Landgraaf
Nederland

e-mail: Hesi@orange.nl

web-site www.Hesi.nl

MATERIAL SAFETY DATA SHEETS Hesi Phosphorus Plus

1. Identity / Description

product name:

1.1. identity:

1.2. manufacturer:

1.3. contact information:

Phosphorus Plus

liquid PK fertilizer

Hesi plantenvoeding BV

Hesi plantenvoeding, Tel 0031 45 5690420,

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2. Hazardous ingredients identity information

2.1. Hazardous components: None, not classified in any hazardous substance class:

2.2. ingredients

macro nutrients

available phosphoric oxide (P_2O_5) % **7,20**

soluble potash (K_2O) % **5,10**

3. Physical / Chemical Characteristics

3.1. boiling point: **>105 degrees C**

3.2. specific gravity: **1,078 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: **blue**

3.10. odor: **none**

3.11. pH (concentrate) **4,4 - 4,6**



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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 |
| 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