



HESI plantenvoeding

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## 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**

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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:
- 4.5. extinguishable media:
- 4.6. special fire fighting procedures:
- 4.7. unusual fire & explosion hazards
- 4.8. ignition temperature:
- 4.9. hazardous decomposition:
- 4.10 hazardous reactions:

not flammable  
water, dry chemical, carbon dioxide and foam  
none  
none  
none  
none  
none

#### 5. Reactivity data

- 5.1. stability:
- 5.2. incompatibility:
- 5.3. hazardous decomposition:
- 5.4. hazardous reactions:
- 5.5 hazardous polymerisation

stable in normal use and storage  
Store in original container  
N/N  
N/N  
N/N  
will not occur

#### 6. Health Hazard data

- 6.1. route of entry (inhalation)
- 6.2. route of entry (skin)
- 6.3. route of entry (digestion)
- 6.4. health hazards (acute & chronic)
- 6.5. carcinogenicity:
- 6.6. signs and symptoms of exposure:
- 6.7. medical condition generally aggravated by exposure:

not usually a problem. Remove to fresh air, if necessary  
flush with water (eyes 15 minutes)  
(skin: wash with water and soap)  
treat symptomatically,  
drink water to dilute  
no hazardous material  
N/A  
none  
none

#### 6.8. emergency first aid procedures:

eye contact:  
skin contact

inhalation

ingestion

flush with water for 15 minutes  
wash affected area with soap and water,  
change contaminated clothing  
not usually a problem. Remove to fresh air, if necessary  
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.<br>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.

21.01.2009