

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 07/01/2023

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Version: 1



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## GREEN HOUSE POWDER FEEDING HYBRIDS

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name/designation:

Green House Powder Feeding Hybrids (15-7-22)

Other means of identification:

Powder Feeding Hybrids

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture:

Fertilizers (soil amendments)

#### 1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Green House Feeding ( PF Trading B.V)  
Keienbergweg 49  
1101 EX Amsterdam  
The Netherlands  
Tel: +31 (0) 20 716 38 34  
E-mail shop@greenhousefeeding.com

#### 1.4. Emergency telephone number

No data available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Oxidising solids (Ox. Sol. 3)	H272: May intensify fire; oxidiser.	

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS03

Flame over circle

Signal word: Warning

#### Hazard statements for physical hazards

H272 May intensify fire; oxidiser.

#### Precautionary statements Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220 Keep away from clothing and other combustible materials.

P280 Wear protective gloves/protective clothing.

#### Precautionary statements Response

P370 + P378 In case of fire: Use water to extinguish.

#### Precautionary statements Disposal

P501 Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

#### 2.3. Other hazards

Adverse physicochemical effects:

Bei Zersetzung: Bildung von nitrosen Gasen und Ammoniak möglich.



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## Green House Powder Feeding Hybrids

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 7757-79-1 EC No.: 231-818-8 REACH No.: 01-2119488224-35	<b>potassium nitrate</b> Ox. Sol. 2 (H272) <b>Danger</b>	0 - 40 weight-%
CAS No.: 6484-52-2 EC No.: 229-347-8 REACH No.: 01-2119490981-27-0000	<b>ammonium nitrate</b> Ox. Sol. 3 (H272) <b>Warning</b>	0 - 30 weight-%
CAS No.: 10043-35-3 EC No.: 233-139-2 Index No.: 005-007-00-2 REACH No.: 01-2119486683-25-0028	<b>Boric acid</b> <i>Candidate List of Substances of Very High Concern for Authorisation!</i> Repr. 1B (H360FD) <b>Danger</b>	0 - 0.2 weight-%
CAS No.: 14025-15-1 EC No.: 237-864-5 REACH No.: 01-2119963944-23-0000	<b>Kupferchelat</b> Acute Tox. 4 (H312), Eye Irrit. 2 (H319) <b>Warning</b>	0 - 0.2 weight-%

Full text of H- and EUH-phrases: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

##### Following inhalation:

Remove casualty to fresh air and keep warm and at rest. In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still. Provide fresh air.

##### In case of skin contact:

Wash immediately with: Water and soap In case of skin reactions, consult a physician.

##### After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. If eye irritation persists: Get medical advice/attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### Following ingestion:

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Rinse mouth. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

methaemoglobinaemia Pulmonary irritation Cough No known symptoms to date.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media:

Water Sand Co-ordinate fire-fighting measures to the fire surroundings.

#### 5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

##### Hazardous combustion products:

In case of fire may be liberated: Nitrogen oxides (NOx) Sulphur dioxide (SO<sub>2</sub>) Sulphur trioxide In case of fire: Gases/vapours, toxic

#### 5.3. Advice for firefighters

Use suitable breathing apparatus. Wear a self-contained breathing apparatus and chemical protective clothing.

#### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.



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## Green House Powder Feeding Hybrids

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

Avoid dust formation. Avoid breathing dust/fume/gas/mist/vapours/spray. Remove persons to safety.

**Protective equipment:**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Wear protective gloves/protective clothing/eye protection/face protection.

##### 6.1.2. For emergency responders

**Personal protection equipment:**

Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

**For containment:**

Collect spillage. Measures to prevent aerosol and dust generation Wet clean or vacuum up solids.

**For cleaning up:**

Suitable material for diluting or neutralizing: Water Water (with cleaning agent)

**Other information:**

Clear contaminated areas thoroughly.

#### 6.4. Reference to other sections

Disposal: see section 13 Safe handling: see section 7 Personal protection equipment: see section 8

#### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

No special handling advices are necessary. Wear personal protection equipment (refer to section 8).

**Measures to prevent aerosol and dust generation:**

Dust should be exhausted directly at the point of origin.

**Advices on general occupational hygiene**

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions:**

Keep locked up. Keep locked up and out of reach of children. Keep away from: Food and feedingsuffs UV-radiation/sunlight Keep container tightly closed in a cool, well-ventilated place.

**Storage class (TRGS 510, Germany):** 5.1B - Oxidising substances

#### 7.3. Specific end use(s)

**Recommendation:**

Observe instructions for use.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No data available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

See section 7. No additional measures necessary. The national regulations for the application of fertilizers must be observed

##### 8.2.2. Personal protection equipment

**Eye/face protection:**

Dust protection eye glasses Eye glasses with side protection EN 166

**Skin protection:**

By long-term hand contact Hand protection Suitable gloves type NBR (Nitrile rubber) EN ISO 374 Tested protective gloves must be worn Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well.

**Respiratory protection:**

Respiratory protection necessary at: dust formation Filter type: FFP2 Particle filter device (EN 143)

##### 8.2.3. Environmental exposure controls

No data available



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## Green House Powder Feeding Hybrids

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

##### Appearance

Physical state: fest

Colour: braun

Odour: ohne

##### Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	5	
Melting point	<i>not determined</i>	
Freezing point	<i>not determined</i>	
Initial boiling point and boiling range	<i>not determined</i>	
Decomposition temperature	<i>not determined</i>	
Flash point	<i>not determined</i>	
Evaporation rate	<i>not determined</i>	
Auto-ignition temperature	<i>not determined</i>	
Upper/lower flammability or explosive limits	<i>not determined</i>	
Vapour pressure	<i>not determined</i>	
Vapour density	<i>not determined</i>	
Density	<i>not determined</i>	
Relative density	<i>not determined</i>	
Bulk density	1,070 kg/m <sup>3</sup>	
Water solubility	300 g/L	
Partition coefficient: n-octanol/water	<i>not determined</i>	
Dynamic viscosity	<i>not determined</i>	
Kinematic viscosity	<i>not determined</i>	

#### 9.2. Other information

No data available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

This material is considered to be non-reactive under normal use conditions. not relevant The product itself does not burn.

#### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3. Possibility of hazardous reactions

Thermal decomposition can lead to the escape of irritating gases and vapours.

#### 10.4. Conditions to avoid

Avoid high temperatures or direct sunlight.

#### 10.5. Incompatible materials

No data available

#### 10.6. Hazardous decomposition products

Decomposition products in case of fire: see section 5. In case of fire: Gases/vapours, toxic

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>ammonium nitrate</b> CAS No.: 6484-52-2 EC No.: 229-347-8
LD <sub>50</sub> oral: 2,950 mg/kg (Rat) OECD 401
LD <sub>50</sub> dermal: >5,000 mg/kg (Rat) OECD 402
LC <sub>50</sub> Acute inhalation toxicity (vapour): >88.8 mg/L 4 h (Rat)
LC <sub>50</sub> Acute inhalation toxicity (dust/mist): 88.8 mg/L 4 h (Rat)
<b>Kupferchelat</b> CAS No.: 14025-15-1 EC No.: 237-864-5
LD <sub>50</sub> oral: 890 mg/kg (Rat)
LC <sub>50</sub> Acute inhalation toxicity (dust/mist): 5.3 mg/L (Rat)



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### 11.2. Information on other hazards

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>ammonium nitrate</b> CAS No.: 6484-52-2 EC No.: 229-347-8
LC <sub>50</sub> : 447 mg/L 2 d (fish, Cyprinus carpio (Common Carp))
EC <sub>50</sub> : 555 mg/L (crustaceans, Daphnia magna (Big water flea))
ErC <sub>50</sub> : 83 mg/L (Algae/water plant, Scenedesmus quadricauda)
EC <sub>50</sub> : 490 mg/L 2 d (crustaceans)
<b>Kupferchelate</b> CAS No.: 14025-15-1 EC No.: 237-864-5
LC <sub>50</sub> : 555 mg/L 4 d (fish, Lepomis macrochirus (Bluegill))
EC <sub>50</sub> : 662.6 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)

### 12.2. Persistence and degradability

<b>ammonium nitrate</b> CAS No.: 6484-52-2 EC No.: 229-347-8
Biodegradation: Yes, rapidly
<b>Kupferchelate</b> CAS No.: 14025-15-1 EC No.: 237-864-5
Biodegradation: Yes, rapidly

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

<b>ammonium nitrate</b> CAS No.: 6484-52-2 EC No.: 229-347-8
Results of PBT and vPvB assessment: —
<b>potassium nitrate</b> CAS No.: 7757-79-1 EC No.: 231-818-8
Results of PBT and vPvB assessment: —
<b>Boric acid</b> CAS No.: 10043-35-3 EC No.: 233-139-2
Results of PBT and vPvB assessment: —
<b>Kupferchelate</b> CAS No.: 14025-15-1 EC No.: 237-864-5
Results of PBT and vPvB assessment: —

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

02 01 09	Agrochemical waste other than those mentioned in 02 01 08
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Waste code packaging

15 01 06	mixed packaging
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#### Waste treatment options

##### Appropriate disposal / Product:

Use up residual quantities according to application recommendation or hand over to an authorized disposal company Consult the appropriate local waste disposal expert about waste disposal.

##### Appropriate disposal / Package:

Cleaned packaging can be disposed of with municipal waste or recycled uncleaned in accordance with local regulations.



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## Green House Powder Feeding Hybrids

### SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es)</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.4. Packing group</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.5. Environmental hazards</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.6. Special precautions for user</b>			
not relevant	not relevant	not relevant	not relevant

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU legislation

###### Authorisations:

EU legislation (EC) No 2003/2003 of the European Parliament and of the Council of 13 October 2003 relating to fertilizers (Fertilizers Regulation) Labelling according to Regulation (EC) No. 1272/2008 [CLP]

###### Other regulations (EU):

TRGS 201 TRGS 400 TRGS 510 TRGS 401 TRGS 500 TRGS 511 TRGS 555

##### 15.1.2. National regulations

No data available

##### 15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

### SECTION 16: Other information

#### 16.1. Indication of changes

No data available

#### 16.2. Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

#### 16.3. Key literature references and sources for data

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work

SUVA.ch; limit values at the workplace

CH: SR 822.111: Ordinance 1 to the Labor Law (ArGV 1)

TRGS900, limit values in the air at the workplace "Air limit values

GESTIS substance database

Safety data of the manufacturer / raw material supplier

REACH regulation

CLP Regulation

#### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008

[CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Oxidising solids (Ox. Sol. 3)	H272: May intensify fire; oxidiser.	

#### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H272	May intensify fire; oxidiser.
H312	Harmful in contact with skin.
H319	Causes serious eye irritation.
H360FD	May damage fertility. May damage the unborn child.



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### 16.6. Training advice

No data available

### 16.7. Additional information

No data available