SAFETY DATA SHEET

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

Revision date: 07/01/2023
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Version: 1

Green House Powder Feeding Grow (24-6-12)

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

1.1. Product identifier
Trade name/designation:

Green House Powder Feeding Grow (24-6-12)

Other means of identification:

Powder Feeding Grow

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. 2)*	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: Danger

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:
On decomposition: Formation of nitrous gases and ammonia possible.

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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.: 6484-52-2 **EC No.:** 229-347-8 **REACH No.:** 01-2119490981-27-0000	**ammonium nitrate** Ox. Sol. 3 (H272) **Warning**	0 - 50 weight-%
CAS No.: 7757-79-1 **EC No.:** 231-818-8 **REACH No.:** 01-2119488224-35	**potassium nitrate** Ox. Sol. 2 (H272) **Danger**	0 - 30 weight-%
CAS No.: 14025-15-1 **EC No.:** 237-864-5 **REACH No.:** 01-2119963944-23-0000	**Kupferchelat** Acute Tox. 4 (H312), Eye Irrit. 2 (H319) **Warning**	0 - 0.4 weight-%
CAS No.: 10043-35-3 **EC No.:** 233-139-2 **Index No.:** 005-007-00-2 **REACH No.:** 01-2119486683-25-0028	**Boric acid** *Candidate List of Substances of Very High Concern for Authorisation!* Repr. 1B (H360FD) **Danger**	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 drunken 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 (SO2) 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.

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 feedingstuffs 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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: fest **Colour:** hellbraun

Odour: ohne

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	5.3	
Melting point	*not determined*	
Freezing point	*not determined*	
Initial boiling point and boiling range	*not determined*	
Decomposition temperature	*not determined*	
Flash point	*not determined*	
Evaporation rate	*not determined*	
Auto-ignition temperature	*not determined*	
Upper/lower flammability or explosive limits	*not determined*	
Vapour pressure	*not determined*	
Vapour density	*not determined*	
Density	*not determined*	
Relative density	*not determined*	
Bulk density	1,050 kg/m³	
Water solubility	300 g/L	
Partition coefficient: n-octanol/water	*not determined*	
Dynamic viscosity	*not determined*	
Kinematic viscosity	*not determined*	

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

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

11.2. Information on other hazards
No data available

SECTION 12: Ecological information

12.1. Toxicity

ammonium nitrate CAS No.: 6484-52-2 **EC No.:** 229-347-8
LC_{50}: 447 mg/L 2 d (fish, Cyprinus carpio (Common Carp))
EC_{50}: 555 mg/L (crustaceans, Daphnia magna (Big water flea))
ErC_{50}: 83 mg/L (Algae/water plant, Scenedesmus quadricauda)
EC_{50}: 490 mg/L 2 d (crustaceans)
Kupferchelat CAS No.: 14025-15-1 **EC No.:** 237-864-5
LC_{50}: 555 mg/L 4 d (fish, Lepomis macrochirus (Bluegill))
EC_{50}: 662.6 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)

12.2. Persistence and degradability

ammonium nitrate CAS No.: 6484-52-2 **EC No.:** 229-347-8
Biodegradation: Yes, rapidly
Kupferchelat 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

ammonium nitrate CAS No.: 6484-52-2 **EC No.:** 229-347-8
Results of PBT and vPvB assessment: —
potassium nitrate CAS No.: 7757-79-1 **EC No.:** 231-818-8
Results of PBT and vPvB assessment: —
Boric acid CAS No.: 10043-35-3 **EC No.:** 233-139-2
Results of PBT and vPvB assessment: —
Kupferchelat 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

Waste code packaging

15 01 06	mixed packaging

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.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
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.
14.2. UN proper shipping name			
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.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
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. 2)*	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.

16.6. Training advice
No data available

16.7. Additional information
No data available