Green House Powder Feeding Short Flowering (16-6-26)

According to 1907/2006/EC, Article 31

Printing Date 6th October 2020 Version Number 3 Revision: 6th October 2020

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

Trade name: Green House Powder Feeding Short Flowering (16-6-26)
Identification: EC No.: See Section 3 of SDS
REACH Registration No.: --
CAS-No.: See Section 3 of SDS

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

Identified uses: Fertilizer

1.3 Details of the supplier of the safety data sheet

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

1.4 Emergency telephone number:

Manufacturer: See point 1.3 (Only during office hours Mon-Fri 09:00 – 17:00)
NVIC: +31(0)30 274 8888 (Only for the purpose of informing medical personnel in case of acute intoxications)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification:

Classification Regulation (EC) No 1272/2008

Oxidizing solids, Category 2; H272

Classification (67/548/EEC or 1999/45/EC)

O, R8, R9

2.2 Label Elements:

Labelling Regulation (EC) No 1272/2008

GHS-Pictograms:
Signal word: Danger
Hazard Statements: May intensify fire; oxidizer
Precaution Statements: P221 – Take any precautions to avoid mixing with combustibles

2.3 Other hazards:

Contact with combustible material may cause fire
After prolonged contact, slight skin irritation possible.
May cause long-term adverse effects in the aquatic environment
Heating can release hazardous gases: nitrous gas (NOx), Ammonia

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Components	CAS-Nr.	EINECS/EC	Index	%	Classification *) GHS 1272/2008	Classification 67/548/EEC or 1999/45/EC
Ammonium Nitrate	6484-52-2	229-347-8	--	0-20	Oxidizing solids, Category 3; H272	O, R8, R9
Potassium Nitrate	7757-79-1	231-818-8	--	0-50	Oxidizing solids, Category 3; H272	O, R8, R9
Boric acid	10043-35-3	233-139-2	005-007-00-2	0-0.2	Repr. 1B, H360FD	T; Repr. Cat. 2; R60-61
EDTA-Cu-Disodium complex	14025-15-1	237-864-5	--	0-0.3	Acute Tox. 4; H302	Xn; R22

*) Wording of the identification codes for classified materials, see Section 16.

3.2 Mixtures:

Mixture of inorganic compounds (sulfate-, phosphate-, nitrate salts from ammonium, potassium, magnesium) and trace elements.

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SECTION 4: FIRST AID MEASURES

4.1 General information:

If swallowed:

Call a poison center or doctor/physician if you feel unwell.

In all cases of doubt or if symptoms persist get medical treatment.

After inhalation:

Supply fresh air, consult a doctor in case of symptoms.

If you feel unwell seek medical advice (show the label where possible or the MSDS)

After skin contact:

Wash with water and soap, rinse thoroughly.

If irritation persists, consult a doctor.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor.

After oral intake:

Rinse mouth and then drink plenty of water. May cause nausea, vomiting, diarrhea.

Call a poison center or doctor/physician if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed:

After inhalation of decomposition products: Risk of pulmonary edema. Symptoms may be delayed. Risk of Methemoglobinemia.

4.3 Indication of any immediate medical attention and special treatment needed:

Symptomatic Treatment

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Extinguishing media: No special requirement.

Less effective extinguishing agents: Dust, sand, CO_2

5.2 Special hazards arising from the substance or mixture:

Combustion products/gases: Heating can release hazardous gases: nitrous gas (NOx), ammonia. Don't inhale gases during thermal decomposition

5.3 Advice for firefighters:

Self-contained breathing apparatus (EN 133). Wear full protective suit.

5.4 Additional information:

Contaminated water may not enter in sewers or drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Avoid raising dust. Use personal protective equipment, see Section 8

6.1.2 For emergency responders: Ventilate closed places. Use personal protective equipment,

see Section 8

6.2 Environmental precautions:

May not enter in sewers or drains.

6.3 Methods and material for containment and cleaning up:

Collect mechanically. Dispose of contaminated material as waste according to section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

No special precautions necessary if handled correctly.

Store in original packaging. Risk of confusion.

Handle according to instructions on the label.

7.2 Conditions for safe storage, including any incompatibilities:

Tight closed. Dry.

Store out of range from sources of ignition and heat.

Storage Class: 5.1B Oxidizing Substances

Store combustible materials in packaging and mobile containers (TRGS 515)

7.3 Specific end use(s):

See section 1.2

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Dust (OEL - Occupational Exposure Limits)	Total Dust	10mg/m3

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. Provide eyewash station.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Face shield is recommended. Wear safety glasses with side shields (or goggles). Use tight fitting goggles if dust is generated.

Hand protection: Wear appropriate chemical resistant gloves.

Respiratory protection: Use approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Respiratory protection not required.

Other: Wear suitable protective clothing.

Considerations: Keep away from food and drinks. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. National regulations for fertilizers may apply.

8.2.3 Environmental protection measures: Avoid discharge into sewers or drains, water courses or onto the ground.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:

- Physical state: Solid
- Form: Powder
- Color: orange

Odor: None

Solubility in water: water-soluble

pH: 4.8 – 5.8

Apparent density: 1000 – 1200 g/L

Flammability: The product itself does not burn

Oxidizing properties: May intensify fire

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Heating can release hazardous gases: nitrous gas (NOx), ammonia.

Ammonia release is possible when reacting with alkalis or other alkaline substances.

10.2. Chemical stability:

Stable under normal conditions (see section 7)

10.3 Possibility of hazardous reactions:

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid:

Elevated temperatures, high humidity. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

10.5 Incompatible materials:

Strong oxidizing agents, concentrated acids or alkalis.

10.6 Hazardous decomposition products:

Heating can release hazardous gases: nitrous gas (NOx), ammonia.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute Oral Toxicity: LD50/oral/rat: > 2000mg/kg

Skin irritation: May cause slight irritation of skin after longer exposure.

Corrosion / burns: May cause slight irritation after longer exposure.

Sensitization: Based on the available data and experience, no classification is given (conventional method)

Carcinogenicity: no data available

Genotoxicity in vitro: no data available

Toxicity for reproduction: no data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

12.1.1 Ecotoxicity (for pure chemicals):

Ammonium nitrate	LC50 Fish (48h): 74mg/L; EC50 crustacea (48h): 555mg/L ; EC50 algae: 83 mg/L
Potassium nitrate	LC50 Fish (96h): 190mg/L; EC50 crustacea (48h): 490mg/L

12.1.2 Toxicity for water: Water hazard class: 1 (slightly hazardous for water)

12.2 Persistence and degradability:

Not applicable

12.3 Bioaccumulative potential:

Not applicable

12.4 Mobility in soil:

Water-soluble components or breakdown products may be washed into groundwater.

12.5 Results of PBT and vPvB assessment:

No data available

12.6 Other adverse effects:

May contribute to the eutrophication of water systems.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal instructions:

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

13.2 Local disposal regulations:

Dispose in accordance with all applicable regulations.

13.3 Hazardous waste code:

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

13.4 Waste from residues / unused products:

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

13.5 Contaminated packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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SECTION 14: TRANSPORT INFORMATION

	Land transport (ADR/RID)	International Sea (IMDG)	International Air (ICAO/IATA)
14.1 UN Number	UN 2071	UN 2071	UN 2071
14.2 UN proper shipping name	Ammonium Nitrate Based Fertilizer	Ammonium Nitrate Based Fertilizer	Ammonium Nitrate Based Fertilizer
14.3 Transport hazard class(es)	9	9	9
14.4 Packing group	III	III	III
14.5 Environmental hazards	See: Section 2	See: Section 2	See: Section 2
14.6 Special precautions for user	See: Section 6&7	See: Section 6&7	See: Section 6&7
14.7 Transport in bulk according to Annex II or MARPOL 73/78 and the IBC Code	---	---	---
Transport/Additional Information	Not classified as dangerous inthe meaning of transportregulation ADR/SDR | Special Provisions: 193	Special Provisions: 193	Special Provisions: 193

SECTION 15: REGULATORY INFORMATION

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

Labelling in line of EEC regulation: This product is not classified as dangerous

SECTION 16: OTHER INFORMATION

16.1 Full text of H-phrases under section 3:

H272 - May intensify fire; oxidiser.
H360 - May damage fertility or the unborn child.
H302 - Harmful if swallowed

16.2 Full text of R-phrases under section 3:

Xn - Harmful (Xn)
O - Oxidizing (O)
R8 - Contact with combustible material may cause fire
R9 - Explosive when mixed with combustible material
R60 - May impair fertility
R61 - May cause harm to the unborn child
R22 - Harmful if swallowed

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