1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier:

Clematis Food

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

Supplied for use as a fertiliser

1.3 Details of the supplier of the safety data sheet:

Chempak Products
Thompson & Morgan
Poplar Lane
Ipswich
Suffolk
IP8 3BU

Contact: The Safety Officer

Telephone Number: 01473 588688 (Monday – Friday 8am to 5pm)
Or visit www.chempak.com

1.4 Emergency telephone number:

Emergency Telephone Number: 01473 588688 (Monday – Friday 8am to 5pm)
2. Hazards identification

2.1 Classification of the substance or mixture

CLASSIFICATION according to Regulation (EC) 1272/2008 Classification, Labelling and Packaging

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

CLASSIFICATION according to Directive 1999/45/EC and statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulation

Not a hazardous substance or mixture according to Directive 1999/45/EC.

2.2 Label Elements

No labelling elements according to Regulation (EC) No. 1272/2008.

2.3 Other Hazards

According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.

Mixture not classified as PBT or vPvB.

3. Composition/information on ingredients

3.2 Mixtures

Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No./EINECS-No.</th>
<th>Annex Index or REACH number</th>
<th>Symbol(s)</th>
<th>Phrase(s)</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium nitrate</td>
<td>7757-79-1/231-818-8</td>
<td>-</td>
<td>According to 1272/2008: GHS03</td>
<td>According to 1272/2008: Oxid. Solid 3; H272</td>
<td>45.0 – 55.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>According to 67/548/EEC:</td>
<td>According to 67/548/EEC: R8</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OXIDISING</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All hazard information if not displayed in section 2 or 3 is displayed in Section 16.
4. First aid measures

4.1 Description of first aid measures

4.1.1 Inhalation
Keep patient calm, remove to fresh air and seek medical attention. If unconscious place in recovery position and seek medical advice.

4.1.2 Skin & Eye exposure
Skin: Wash off with soap and water
Eyes: Rinse thoroughly with plenty of water for at least 15 minutes. Seek medical attention if symptoms persist or develop.

4.1.3 Ingestion
Wash out mouth with water and give water to drink. Do not induce vomiting. Seek medical attention if symptoms persist or develop.

4.2 Most important symptoms and effects, both acute and delayed
No information specified.

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

5. Firefighting measures

5.1 Extinguishing media
Water; Water spray; Foam; Carbon Dioxide (CO2); Dry powder.

5.2 Special Hazards arising from the substance or mixture
No information specified.

5.3 Advice for fire-fighters
In the event of fire, wear self-contained breathing apparatus and protective suit.
6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid dust formation.
Ensure adequate ventilation.
In case of insufficient ventilation, wear suitable respiratory equipment.

6.2 Environmental precautions
Do not empty into drains.
Retain and dispose of contaminated wash water.

6.3 Methods and material for containment and cleaning up
Clean up promptly by sweeping or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

6.4 Reference to other sections
For personal protection see section 8.

7. Handling and storage

7.1 Precaution for safe handling
Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool, dry place in original container.

7.3 Specific end use(s)
Always read the label and product information before use.

8. Exposure controls and personal protection

8.1 Control Parameters
No workplace exposure limits specified in EH40/2005

8.2 Exposure controls
Engineering controls:
Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Personal protective equipment:
Dust safety masks recommended where working powder concentration is more than 10mg/m3.
Gloves are recommended. Safety glasses with side-shields. Do not wear contact lenses where this product is used. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.
9. Physical and chemical properties

9.1 Information on basic physical and chemical properties
Appearance; Granular
Colour; Green
Odour; Information not available
Odour threshold; Information not available
pH; Information not available
Melting point/freezing; Not applicable
Initial boiling point and boiling range; Not applicable
Flash point; Not applicable
Evaporation rate; Not applicable
Flammability (solid, gas); The product is not flammable
Upper /lower flammability or explosive limits; Not applicable
Vapour Pressure; Not applicable
Vapour density; Not applicable
Specific gravity; Information not available
Solubility (ies); Insoluble in water
Partition coefficient: n-octanol/water; Not applicable
Auto ignition temperature; Not applicable
Decomposition temperature: Information not available

9.2 Other Information
No information specified

10. Stability and reactivity

10.1 Reactivity
Information not available.

10.2 Chemical Stability
Stable under normal conditions of use.

10.3 Possibility of hazardous reactions
Hazard polymerisation does not occur.

10.4 Conditions to avoid
Avoid dust generation.

10.5 Incompatible materials
Organic materials.

10.6 Hazardous decomposition products
Thermal decomposition may produce: nitrogen oxides (NOx), carbon oxides (COx), Hydrogen cyanide (hydrocyanic acid).
11. Toxicological information

11.1 Information on toxicological effects
The mixture has not been assessed for toxicological effects, the mixture classification is given in section 2 based on individual component contents. Individual component hazards if any are given in section 3.

Toxicological information on hazardous ingredients:

Potassium Nitrate

Rat oral LD50 [mg/kg] : > 3000
Rat inhalation LC50 [mg/l/4h] : No data available.
Other toxicological information : May cause eye irritation.

Ingestion of large quantities may cause effects on the blood system resulting in the formation of methaemoglobin. The effects may be delayed. Seek medical advice.

12. Ecological information

12.1 Toxicity
Aquatic toxicity is unlikely due to low solubility.

12.2 Persistence and degradability
Not readily biodegradable.

12.3 Bioaccumulative potential
Does not bioaccumulate.

12.4 Mobility in soil
Information not available

12.5 Results of PBT and vPvB
Not classified

12.6 Other adverse effects
Information not specified.

13. Disposal considerations

13.1 Waste Treatment Methods
Dispose of contents/container in accordance with local and national regulations.
14. Transport information

14.1 UN number: Non-dangerous goods

14.2 UN proper shipping name: No information available

14.3 Transport hazard: No information available

14.4 Packing group: -

14.5 Environmental hazards: Not a marine pollutant

14.6 Special precautions for user: No Information available

14.8 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: No information available

15. Regulatory information


15.2 Chemical Safety Assessment
CSA not undertaken for this product
16. Other information

Full text of R-phrases referred to under sections 2 and 3
R 8  Contact with combustible material may cause fire.

Full text of H-statements referred to under sections 2 and 3.
H272  May intensify fire; oxidiser.

SDS information:
This Safety data sheet is compiled using data submitted for raw materials and practical experience. This Safety Data Sheet is prepared in compliance with Directive 1999/45/EC, Regulation 1272/2008 and Annex I of the REACH Regulation 453/2010. The information given herein is, to the best of our knowledge, correct and is presented in good faith but no warranty, expressed or implied is given.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty of quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.