1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1 Product identifier  Fish, Blood and Bone

1.2 Relevant identified use  Garden Fertiliser

1.3 Details of the supplier of the data sheet
Westland Horticulture Ltd
14 Granville Industrial Estate
Granville Road
Dungannon
County Tyrone
BT70 1NJ

Email  customerservice@WestlandHorticulture.com

1.4 Emergency telephone number  01480 443789 (UK) 24hrs

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture According to Regulation (EC) No 1272/2008:
Not classified

2.2 Label Elements According to Regulation (EC) No 1272/2008:
Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 N/A

3.2 Description  Garden fertiliser NPK 3 – 9 - 3

Hazardous Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Identifiers</th>
<th>Concentration %W/W</th>
<th>Warning Symbols</th>
<th>Regulation (EC) No 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicone dioxide</td>
<td>CAS 7631-89-9</td>
<td>45 – 55 %</td>
<td></td>
<td>Substance with Workplace Exposure Limit</td>
</tr>
<tr>
<td></td>
<td>EC: 231-545-4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

4.1 General information: Have the product container, label or Material Safety Data Sheet with you when calling a poison control center or physician, or going for treatment.

Inhalation: Move person to fresh air. Keep patient warm and at rest. Get medical advice if symptoms persist or develop.

Skin Contact: Wash off with soap and plenty of water. Get medical advice if irritation persists or develop.

Eye Contact: Rinse with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses and continue flushing. Get medical attention if symptoms persist or develop.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Rinse out mouth and then drink water. Get medical attention if symptoms persist or develop.

4.2 Most important symptoms and effects, both acute and delayed

N/A

4.3 Indication of any immediate medical attention and special treatment needed

Information not available

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media: Use foam, carbon dioxide, dry powder or sand. The mixture is not classified as flammable; as such extinguishing media should be chosen as appropriate for surrounding materials.

5.2 Specific Hazards Arising From the Substance or Mixture: Fire will produce hazardous products of combustion. Exposure to decomposition products may be a hazard to health.
5.3 Advice for Fire Fighters:
Wear full protective clothing and self-contained breathing apparatus.

Further Information:
Cool endangered containers with water spray
Do not allow molten material or run-off from fire fighting to enter drains or water courses.
If fire run-off water enters drains or water course, inform the appropriate water authorities immediately

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:
Avoid formation / breathing of dust
Avoid contact with skin and eyes
Ensure adequate ventilation
Use Personal Protective Equipment: coveralls, gloves and eye/face protection

6.2 Environmental Precautions:
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

6.3 Methods and Materials for Containment and Cleaning Up:
Vacuum or sweep up material.
Place into suitable labelled containers for disposal according to local / national regulations

Additional Advice: If large quantities of the product contaminates water courses or drains (including via contaminated soil & vegetation), inform respective authorities.

6.4 Reference to other sections:
See Section 8 for information on personal protection equipment
See Section 13 for disposal information

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:
- Prevent dust formation and inhalation
- Avoid contact with eyes and skin
- Wear gloves when handling the product over long periods of time
- Do not eat, drink or smoke when using this product
- Take off contaminated clothing and wash before reuse
- Avoid unnecessary exposure to atmosphere to prevent moisture pick up
• Wash hands and observe good hygiene practice after handling this product

7.2 Conditions for safe storage:
• Keep containers closed tightly in a dry, cool and well-ventilated place.
• Keep product in original labelled containers
• Storage areas should be appropriately sited to prevent contamination of drains or watercourses
• Keep out of the reach of children

7.3 Specific End Uses:
Use as a fertiliser according to the instruction on the label

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1 Control Parameters

##### 8.1.1 Occupational exposure limits:

<table>
<thead>
<tr>
<th>Limit value type (country of origin)</th>
<th>Substance name</th>
<th>EC-No.</th>
<th>CAS-No.</th>
<th>Occupational exposure limit value</th>
<th>Monitoring And observation processes</th>
<th>Peak limitation</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEL (EU)</td>
<td>Silicone dioxide</td>
<td>231-545-4</td>
<td>7631-89-9</td>
<td>0.1 mg/m³</td>
<td>10mg/m³</td>
<td>unknown</td>
<td></td>
</tr>
</tbody>
</table>

##### 8.1.2 Biological limit values: N/A

##### 8.1.3 Exposure limits at intended use: N/A

##### 8.1.4 DNEL/PNEC-values: N/A

##### 8.1.5 Risk management measures according to used control banding approach: N/A

#### 8.2 Exposure Controls

##### 8.2.1 Appropriate engineering controls: No special ventilation requirements.
Avoid high dust concentration and provide ventilation where necessary

##### 8.2.2 Personal protective equipment:
When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards
Respiratory Protection: Not necessary if room is well ventilated
Use suitable dust respirator if dust concentration is high (Filter P2)

Hand Protection: Wear suitable gloves complying with EN420 if a risk assessment indicates this is necessary

Eye Protection: Wear safety glasses complying with EN166 as a minimum if required.

Skin and Body Protection: Protective work clothing

8.2.3 Environmental exposure controls: N/A

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: solid brown granules
Physical state: solid
Colour: brown
Odour: characteristic
Odour threshold: unknown

9.2 Other information

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
<th>Concentration</th>
<th>Method</th>
<th>Temperature</th>
<th>Pressure</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>6.0-7.0</td>
<td>-</td>
<td>-</td>
<td>20°C</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Initial boiling point/boiling range</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Flash point</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Upper explosive limits</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lower explosive limits</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
Physical hazards: N/A

Flammable and spray aerosols: Testing is not required for foam or spray aerosols.

Flammable and oxidising solids: N/A

10 STABILITY AND REACTIVITY

10.1 Reactivity: Stable under normal conditions of storage, handling and use

10.2 Chemical Stability: Stable under normal conditions of storage, handling and use

10.3 Possibility of Hazardous Reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4 Conditions to avoid: None specified

10.5 Incompatible Materials: Information not available

10.6 Hazardous Decomposition: Heating or fire can release toxic or irritant vapours and fumes
11 TOXICOLOGICAL INFORMATION

Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Acute Toxicity: Not expected to be toxic, however if large quantities are ingested, seek medical advice.

Skin corrosion/Irritation: The mixture is not classified as skin irritant based on formulation components

Eye damage/ Irritation: The mixture is not classified for eye damage based on formulation components

Respiratory or Skin Sensitization: The mixture is not classified as a sensitizer based on formulation components

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction): The mixture is not classified as mutagenic, carcinogen, reproductive toxic or aspiration hazard based on formulation components

Other information: None

12 ECOLOGICAL INFORMATION

The mixture has not been tested.

12.1 Toxicity: The mixture is not classified as hazardous to the environment based on formulation components

12.2 Persistence and Degradability: No information available on mixture

12.3 Bioaccumulative Potential: No information available on mixture

12.4 Mobility in Soil: No information available on mixture

12.5 PBT and vPvB assessment: No information available on mixture

Other adverse effects: Information not available
13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Do not contaminate ponds, waterways or ditches with significant quantities of product.
Check if agriculture use is possible. Dispose of by use on farm as a fertiliser, by spreading thinly on open ground.
Where possible recycling is preferred to disposal or incineration.
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated Packaging: Empty remaining contents.
Completely empty containers can be put in the bin or disposed of in compliance with applicable local regulations.

14 TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Land transport (ADR/RID)</th>
<th>Inland waterway transport (ADN)</th>
<th>Sea transport (IMDG)</th>
<th>Air transport (ICAO-TI / IATA-DGR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN No.</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td>14.2 UN Proper shipping name</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td>Hazard label(s)</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
</tr>
</tbody>
</table>

14.6 Special precautions for user: None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: N/A
15 REGULATORY INFORMATION

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

This mixture is classified in accordance with Regulation 1272/2008.

15.2 Chemical Safety Assessment: A Chemical Safety Assessment has not been undertaken for this mixture

16 OTHER INFORMATION

16.1 Indication of changes

16.2 Abbreviations and Acronyms

ADR  International Carriage of Dangerous Goods by Road
CAS No  Chemicals Abstract Service Registry Number
EC No  European Community Number for chemicals within EU regulations
IATA-DGR  Dangerous Goods Regulations by the International Air Transport Association
IMDG Code  International Maritime Dangerous Goods Code
PBT  Persistent, Bioaccumulative and Toxic Properties
Regulation (EC) No 1272/2008  Classification, Labelling and Packaging (CLP)
RID  International Transport of Dangerous Goods by Rail
vPvB  Very Persistent and Very Bioaccumulative Properties

16.3 Key literature references and sources for data: Unknown

16.4 Full text of Classifications: Not applicable

16.5 Full texts of abbreviated H Statements refer to under Section 3: Not applicable

16.6 Recommended uses and restrictions: Follow the instructions

16.7 Further information

Before using this product, ensure that you read and understand its label
MSDS information:
This Safety Data Sheet is prepared in compliance with Regulation 1272/2008 and Annex I of the REACH regulation 453/2010.

This safety data sheet provides health and safety information. This product is to be used in applications with best use practice. Individuals handling this product should be informed under COSHH of the recommended safety precautions and should have access to this information. The product information in this data sheet is to the best of our knowledge correct as at the date of publication. Westland Horticulture Limited does not accept responsibility for damage caused by incorrect use of this information.

Training and related advice:
This document contains important information to ensure the safe storage, handling and use of this product. It is the responsibility of your organisation to ensure that the information contained in this document is communicated to the end user and that all necessary training to enable the product to be used correctly has been given.

For further information please contact Westland Horticulture Ltd, 14 Granville Industrial Estate, Granville Road, Dungannon, County Tyrone, BT70 1NJ.