



SAFETY DATA SHEET

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

Product	Bonsai Plant Food
Usage	Liquid fertiliser
Manufacturer	Westland Horticulture Ltd 14 Granville Industrial Estate Granville Road Dungannon County Tyrone BT70 1NJ
Email	customerservice@WestlandHorticulture.com
Emergency Tel	01480 443789 (UK)

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture According to Regulation (EC) No 1272/2008:

Not classified

Classification of the Substance or Mixture According to Directive 67/548/EEC or Directive 1999/45/EC:

Not classified

Label Elements According to Regulation (EC) No 1272/2008:

Hazard Pictograms Not applicable

Signal Word Not applicable

Hazard Statements Not applicable

Precautionary Statements

P101 If medical advice is needed, have product container or label at hand

P102 Keep out of reach of children

P103 Read label before use



3. COMPOSITION/INFORMATION ON INGREDIENTS

Description Liquid fertiliser NPK 1.1 – 3 – 3

Hazardous Ingredients

This mixture does not contain any ingredients classified as hazardous substances

4. FIRST AID MEASURES

General Advice: 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 attention if symptoms occur

Skin Contact: Take off all contaminated clothing and shoes.
Wash off with plenty of water.
Get medical attention if symptoms occur

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

Ingestion: Wash out mouth with water
Do NOT induce vomiting at least directed to do so by medical personnel
Give small quantities of water to drink if person is conscious
Get medical attention if symptoms occur

Most Important symptoms and effects, both acute and delayed:
No known significant effects or critical hazards

Treatment (Medical Advice):
No specific treatment. Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:
Suitable extinguishing media for the surrounding fire should be used

Extinguishing Media Which Must Not Be Used For Safety Reasons:
None identified

Special Protective Equipment for Fire Fighters:
Wear full protective clothing and self-contained breathing apparatus.



Specific Hazards Arising From the Substance Or Mixture:

As the product contains combustible organic components, fire will produce hazardous products of combustion such as carbon monoxide, carbon dioxide, nitrogen oxides, metal oxides, ammonia or halogenated compounds.

Exposure to decomposition products may be a hazard to health

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours

Further Information:

Do not allow run-off from fire fighting to enter drains or water courses.

In a fire or if heated, pressure increase will occur and the container may burst. Cool closed containers exposed to fire with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Refer to protective measures listed in sections 7 and 8.

Do not touch or walk through spilled material

Keep unnecessary and unprotected personnel from entering the area

Environmental Precautions:

Prevent further leakage or spillage if safe to do so.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods and Materials for Containment and Cleaning Up:

Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations

Additional Advice: If the product contaminates rivers and lakes or drains inform respective authorities.

7. HANDLING AND STORAGE

Handling:

- Avoid contact with skin, eyes and clothing
- When using do not eat, drink or smoke
- Wash hands thoroughly after work and before eating, drinking or smoking

Storage:

- Keep containers closed tightly in a dry, cool and well-ventilated place.
- Keep out of the reach of children
- Keep away from food, drink and animal feed stuffs
- Keep protected from direct sunlight
- Use appropriate containment to avoid environmental contamination

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



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Contains no substances with occupational exposure limit values

Exposure Controls

Engineering Measures: Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.
The extent of these protection measures depends on the actual risks in use.
If airborne mists or vapors are generated, use local exhaust ventilation controls.
Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit.
Where necessary, seek additional occupational hygiene advice.

Protective Measures: The use of technical measures should always have priority over the use of personal protective equipment
When selecting personal protective equipment, seek appropriate professional advice
Personal protective equipment should be certified to appropriate standards

Respiratory Protection: No personal respiratory protective equipment normally required.
A particulate filter respirator may be necessary when a risk assessment indicates this is necessary

Hand Protection: Wear chemical resistant gloves when handling the product over long periods or if a risk assessment indicates this is necessary.

Eye Protection: Eye protection is not usually required
Wear eye protection when a risk assessment indicates this is necessary to avoid exposure to liquid splashes or mists
Follow any site specific eye protection policies

Skin and Body Protection: Protecting work clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark brown liquid
Odour: Odorless or slight ammoniacal

Other Properties:

	Value	Temperature
pH	6.0 - 7.0	20°C
Density	1.10 g/ml	20°C



10. STABILITY AND REACTIVITY

- Chemical Stability:** Stable under normal conditions of storage, handling and use
- Hazardous Reactions:** Hazardous reactions will not occur under normal transport or storage conditions.
- Hazardous Decomposition:** Heating or fire can release toxic or irritant vapours and fumes
- Incompatible Materials:** Urea reacts with calcium hypochlorite or sodium hypochlorite to form explosive nitrogen trichloride
- Conditions To Avoid:** No specific data

11. TOXICOLOGICAL INFORMATION

- Acute Toxicity:** Mixture not classified for acute toxicity
- Skin Irritation:** The mixture is not classified as skin irritant
- Serious Eye Irritation:** The mixture is classified for eye irritation
- Respiratory or Skin Sensitization:** The mixture is not classified as a sensitizer
- Long Term Toxicity:** The mixture is not classified as mutagenic, carcinogen, reproductive toxic or teratogenic hazard
- STOT- repeated exposure:** No known significant effects or critical hazards

12. ECOLOGICAL INFORMATION

- Toxicity:** No known significant effects or critical hazards
- Persistence and Degradability:** Readily biodegradable in plants and soils. The product does not show any bioaccumulation phenomena
- Bioaccumulative Potential:** No known significant effects or critical hazards
- Mobility in Soil:** Not available
- PBT and vPvB assessment:** Not applicable
- Other Data:** No known significant effects or critical hazards



13. DISPOSAL CONSIDERATIONS

- Product:** Do not contaminate ponds, waterways or ditches with chemical or used container.
Do not dispose of waste into sewer.
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.
Triple rinse containers. The rinse water should be added to the final solution. It must not be put down the drain, sink or toilet
Completely empty containers can be put in the bin or disposed of in compliance with applicable local regulations.
Do not reuse empty containers.

14. TRANSPORT INFORMATION

Land Transport (ADR /RID) Not dangerous goods

Maritime Transport (IMDG) Not dangerous goods

Air Transport (IATA-DGR) Not dangerous goods

Special precautions for user: None

15. REGULATORY INFORMATION

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

This mixture is classified and labelled according to the CLP Regulation (EC) No 1272/2008

Chemical Safety Assessment: This product contains substances for which Chemical Assessments are still required

16. OTHER INFORMATION

Recommended uses and restrictions: Follow the instructions

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

Full text of R Phrases referred to under Section 3: Not applicable

Full text of Classifications: Not applicable



Abbreviations and Acronyms

ADR	International Carriage of Dangerous Goods by Road
CAS No	Chemicals Abstract Service Registry Number
Directive 67/548/EEC	Dangerous Substances Directive (DSD)
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

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 Directive 1999/45/EC, 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.