



Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: Westland Rooting Gel

Version: 1.0

Revision date: 19.01.2018

Print date: 19th January 2018

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

1.1 Product Identifier **Westland Organic Rooting Gel**

1.2 Relevant Identified Uses of the Mixture

Usage Rooting aid

1.3 Details of the supplier of the safety data sheet:

Supplier:

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) 24 Hours

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:

Hazard Pictograms None

Signal Word None

Hazard Statements None

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

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances N/A

3.2 Mixtures N/A

Description Gel

Hazardous Ingredients

This mixture does not contain any ingredients classified as hazardous substances

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 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

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

No known significant effects or critical hazards

4.3 Indication of any immediate medical attention and special treatment needed

No specific treatment. Treat symptomatically

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5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

Water spray, alcohol resistant foam, dry chemical or CO₂. Suitable extinguishing media for the surrounding fire should be used.

Unsuitable extinguishing media: High volume water jet

5.2 Specific Hazards Arising From the Substance or Mixture:

As the product contains 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

5.3 Advice for Fire Fighters:

Wear full protective clothing and self-contained breathing apparatus.

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

6.1 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

6.2 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.

6.3 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



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local / national regulations

6.4 Reference to other sections

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

7. HANDLING AND STORAGE

7.1 Precautions for safe 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

7.2 Conditions for safe storage, including any incompatibilities

- 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, heat sources, combustible materials and strong oxidizing agents

7.3 Specific End Uses: Use only as a rooting aid according to the instruction on the label

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

8.1.1 Contains no substances with occupational exposure limit values

8.1.2 Biological limit values:

Limit value type (country of origin)	Substance name	EC-No.	CAS-No.	Limit Value	Parameter	Test material	Test date	Source
N/A								

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8.1.3 Exposure limits at intended use: N/A

8.1.4 DNEL/PNEC-values:

Substance name:

DNEL Worker:

DNEL type	Value	Remark
Acute – dermal, local effects	No data	No data
Long-term – dermal, local effects	No data	No data
Long-term – dermal, systemic effects	No data	No data
Acute – inhalation, local effects	No data	No data
Acute – inhalation, systemic effects	No data	No data
Long-term – inhalation, local effects	No data	No data
Long-term – inhalation, systemic effects	No data	No data

DNEL Consumer:

DNEL type	Value	Remark
Long-term – oral, systemic effects	No data	No data
Acute – dermal, local effects	No data	No data
Long-term – dermal, local effects	No data	No data
Long-term – dermal, systemic effects	No data	No data
Acute – inhalation, local effects	No data	No data
Acute – inhalation, systemic effects	No data	No data
Long-term – inhalation, local effects	No data	No data
Long-term – inhalation, systemic effects	No data	No data

PNEC

PNEC type	Value	Remark
PNEC aquatic, freshwater	No data	No data
PNEC aquatic, marine water	No data	No data
PNEC aquatic, intermittent release	No data	No data
PNEC sediment, freshwater	No data	No data
PNEC sediment, marine water	No data	No data
PNEC soil	No data	No data
PNEC sewage treatment plant	No data	No data
PNEC air	No data	No data
PNEC secondary poisoning	No data	No data



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8.15 Risk management measures according to used control banding approach

Control banding for chemicals according to the ILO CHEMICAL CONTROL TOOLKIT (ICCT)

Task	Hazard band	Scale of use	Ability to become airborne	Control approach	Control guidance sheet
N/A					

8.2 Exposure Controls

8.2.1 Appropriate engineering controls: None

8.2.2 Personal protective equipment:

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: Protective work clothing

Hand Protection:

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

Respiratory Protection:

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

Thermal hazards:

None

8.2.3 Environmental exposure controls: None

Consumer exposure control: None

9. PHYSICAL AND CHEMICAL PROPERTIES



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9.1 Information on basic physical and chemical properties

Appearance: Thick off-white opaque gel

Physical state: Semi-solid gel

Colour: Off-white

Odour: Characteristic

Odour threshold: None

9.2 Other information:



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	Value	Concentration	Method	Temperature	Pressure	Remark
pH	6.0-8.0	No data	No data	20°C	No data	No data
Melting point/ freezing point	No data	No data	No data	No data	No data	No data
Initial boiling point/boiling range	No data	No data	No data	No data	No data	No data
Flash point	No data	No data	No data	No data	No data	No data
Evaporation rate	No data	No data	No data	No data	No data	No data
Flammability (solid, gas)	No data	No data	No data	No data	No data	No data
Upper/lower flammability or explosive limits	No data	No data	No data	No data	No data	No data
Upper explosive limits	No data	No data	No data	No data	No data	No data
Lower explosive limits	No data	No data	No data	No data	No data	No data
Vapour pressure	No data	No data	No data	No data	No data	No data
Vapour density	No data	No data	No data	No data	No data	No data
Relative density	1.0g/ml	No data	No data	20°C	No data	No data
Solubility(ies)	No data	No data	No data	No data	No data	No data
Partition coefficient: n-octanol/water	No data	No data	No data	No data	No data	No data
Auto-ignitiontemperature	No data	No data	No data	No data	No data	No data
Decomposition temperature	No data	No data	No data	No data	No data	No data
Viscosity	No data	No data	No data	No data	No data	No data
Viscosity, dynamic	No data	No data	No data	No data	No data	No data
Viscosity, cinematic	No data	No data	No data	No data	No data	No data
Explosive properties	No data	No data	No data	No data	No data	No data
Oxidising properties	No data	No data	No data	No data	No data	No data

Physical hazards: None

Flammable aerosols

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Justification for data waiving:

Safety characteristics:

	Value	Result	Method	Remark
Content of flammable components				
Chemical heat of combustion				
Ignition distance				Testing is not required for foam aerosols.
Time equivalent				
Deflagration density				
Maximum flame height				Testing is not required for spray aerosols.
Flame duration				

Assessment: No classification required

Flammable solids

Justification for data waiving:

Safety characteristics:

	Value	Method	Remark
Burning rate	N/A		
Burning rate with wetted zone	N/A		
Moisture content	N/A		

Assessment / Classification: No classification required

Oxidising solids

Justification for data waiving:

Safety characteristics:

	Value	Method	Remark
Preliminary test	N/A		
Mean burning time of test mixture	N/A		
Mean burning time of reference mixture	N/A		

Assessment / Classification: No classification required



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10. STABILITY AND REACTIVITY

10.1 Hazardous Reactions: Hazardous reactions will not occur under normal transport or storage conditions.

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

10.3 Possibility of hazardous reactions: Heating or fire can release toxic or irritant vapours and fumes

10.4 Conditions to Avoid: Avoid release to the environment; Extremes of heat and direct sun light

10.5 Incompatible Materials: Strong oxidizing agents

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

This product has not been tested, this data has been calculated

Acute toxicity

Practical experience / human evidence: No data

Animal data: No data

Other information: No data

Assessment / Classification: Mixture not classified for acute toxicity

Skin corrosion/irritation

Practical experience / human evidence: No data

Acid-/Alkali reserve (buffer capacity for mixtures with extreme pH values)

Acidic reserve [g NaOH/100 g product]: No data

Alkaline reserve [g H₂SO₄/100 g product]: No data

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Animal data: none

In-vitro skin test: none

Other information: none

Assessment / Classification: The mixture is not classified as skin irritant

Eye damage/irritation

Practical experience / human evidence: No data

Animal data: No data

In vitro eye test: No data

Other information: none

Assessment / Classification: The mixture is not classified for eye irritation

Sensitisation to the respiratory tract/skin

Sensitisation to the respiratory tract

Practical experience / human evidence: No data

Other information: None

Assessment / Classification: None

Skin sensitisation

Practical experience / human evidence: None

Animal data: No data

Other information: No data

Assessment / Classification: Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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Reproductive toxicity

Practical experience / human evidence: None

Animal data

Adverse effects on sexual function and fertility: none

Adverse effects on developmental toxicity: none

Effects on or via lactation: none

Other information: none

Assessment / Classification: none

Overall assessment on CMR properties: Based on available data, the classification criteria are not met.

Aspiration hazard

Practical experience / human evidence: No data available.

Experimental data: No data available

Assessment / Classification: Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics:

In case of ingestion: See SECTION 4

In case of skin contact: See SECTION 4

In case of inhalation: See SECTION 4

In case of eye contact: See SECTION 4

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

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STOT- repeated exposure: No known significant effects or critical hazards

12. ECOLOGICAL INFORMATION

12.1 Aquatic toxicity

Acute (short-term) fish toxicity: None

Chronic (long-term) fish toxicity: None

Acute (short-term) toxicity to crustacea: None

Chronic (long-term) toxicity to crustacea: None

Acute (short-term) toxicity to algae and cyanobacteria: None

Toxicity to other aquatic plants / organisms: None

Toxicity to microorganisms: None

Sediment toxicity: None

Terrestrial toxicity: None

Toxicity to soil macro-organisms except arthropods: None

Toxicity to terrestrial arthropods: None

Toxicity to terrestrial plants: None

Toxicity to birds: None

Assessment / Classification: No known significant effects or critical hazards

12.2 Persistence and degradability

Biodegradation: Readily biodegradable in plants and soils.

Abiotic Degradation: No data

Assessment / Classification: No known significant effects or critical hazards

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)

Assessment / Classification: The product does not show any bioaccumulation phenomena

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12.4 Mobility in soil

Assessment / Classification: No data

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII and is therefore not classified

12.6 Other adverse effects: No known significant effects or critical hazards

Additional ecotoxicological information: None

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product disposal: 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.

Waste codes / waste designations according to EWC / AVV: Not available

Packaging: Empty remaining contents.

Triple rinse containers. The rinse water can be used to water plants by mixing with compost.
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.

Waste treatment options: See above



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Other disposal recommendations: None

Additional information: None

14. TRANSPORT INFORMATION

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

14.6 Special precautions for user: None

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Additional information: None

15. REGULATORY INFORMATION

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

15.1.1 EU regulations

Authorisations and/or restrictions on use: None

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

Directive 2010/75/EC on industrial emissions: N/A

Regulation (EC) No. 842/2006 on certain fluorinated greenhouse gases: N/A

15.2 Chemical Safety Assessment: For this substance a chemical safety assessment is not required.

16. OTHER INFORMATION

SECTION 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
Directive 67/548/EEC	Dangerous Substances Directive (DSD)
EC No	European Community Number for chemicals within EU regulations



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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: None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:

See SECTION 2.1 (classification).

16.5 Relevant R-, H- and EUH-phrases (number and full text): Not applicable

16.6 Training advice: 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