



SAFETY DATA SHEET

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

Product Seramis® Orchid Liquid Plant Food

Usage Plant Food for orchids

Supplier Westland Horticulture Ltd
14 Granville Industrial Estate
Granville Road
Dungannon
County Tyrone
BT70 1NJ

Email www.gardenhealth.com

Emergency Tel 08700 663566 (UK)

2. HAZARDS IDENTIFICATION


No ingredients present at levels leading to a classification of hazardous under Directive 67/548/EEC or Directive 1999/45/EC

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description Mixture, concentrate liquid fertiliser NPK 6 – 3 – 6

Hazardous Ingredients

This product does contain ingredients, substances, mixtures, impurities or stabilizing additives required to be declared under Article 18(2) of Regulation (EC) No 1272/2008 or Directive 67/548/EEC

Cas No	EC No	Active Ingredient	Concentration %W/W	Warning Symbols	Directive 67/548/EEC	Regulation (EC) No 1272/2008 (CLP)
6484-52-2	229-347-8	Ammonium Nitrate	5-10 % W/W		O; R8 -R9	Ox.Sol. 3, H272



4. FIRST AID MEASURES

Skin Contact: Wash with soap and water following skin contact

Eye Contact: Flush eyes thoroughly with clean water or eye wash solution.
Remove contact lenses and continue flushing.

Ingestion: Rinse out mouth and then drink plenty of water.
Never give anything by mouth to an unconscious person
Consult a doctor if large quantities have been swallowed or concerns are related to babies/toddlers

Inhalation: Move the exposed individual from the area to fresh air.

If any discomfort persists after following the above advice, seek medical advice.
Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

CO₂, extinguishing powder or water spray
Fight large fires with water spray or alcohol resistant foam
The product is not combustible and does not support combustion

Specific Hazards Arising From The Substance Or Mixture:

Possible formation of toxic gases during heating or in fire: nitrogen oxides (NO_x), Ammonia

Special Protective Equipment For Fire Fighters:

Wear full protective clothing and self-contained breathing apparatus.
Do not inhale explosion or combustion gases.

Additional Information:

Dispose of fire debris and contaminated fire fighting water in accordance with local/national regulations
Collect contaminated fire fighting water separately. It must not enter sewage system

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions:

Prevent further leakage or spillage if safe to do so.
Do not flush into surface water or sanitary sewer system.
Dilute small quantities with plenty of water
Large quantities must not be allowed to penetrate the ground/soil

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 (see section 13).
Small quantities can be absorbed with cloth

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



7. HANDLING AND STORAGE

Handling:

- Do not breathe aerosol or vapours
- Do not eat or drink when using this product.
- Avoid contact with eyes
- Avoid close or long term contact with skin. Wash exposed skin with soap and water after using and before eating.

Storage:

- Store in a cool, dry, well ventilated environment
- Protect from frost. Minimum storage temperature 5°C
- Do not store near food, drink or oxidizing agents
- Good housekeeping practices apply.
- Replace lids when not in use. Keep container tightly closed

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The product does not contain any relevant quantities of materials with Critical Exposure Values required to be monitored at the work place

Respiratory: Respiratory protection is not required under normal conditions of use

Eyes: Use eye protection if your risk assessment indicates this is necessary. Goggles recommended during refilling

Hands: Use general purpose lightweight gloves if your risk assessment indicates this is necessary. Protective gloves are recommended for long term contact. To avoid skin problems reduce wearing of gloves to the required minimum

Skin: Normal, light protective clothing. In circumstances where prolonged exposure to skin is anticipated, the application of appropriate skin barrier cream should be used if your risk assessment indicates this is necessary.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Colour: Clear, slightly green colour
Odour: Almost odourless

Other Properties:

	Value	Temperature	Method
pH	4.3 – 5.3	20°C	
Density	1.15 g/ml	20°C	
Miscibility with water	Fully miscible		

Self Ignition Properties: Not self igniting

Explosive Properties: Not explosive

10. STABILITY AND REACTIVITY

Decomposition: This product will not decompose readily if instructions for storage and handling are followed

Hazardous reactions: Reacts with alkalis releasing Ammonia
Fire hazard when water content dries out
The drying residue promotes combustion by formation of oxidizing gases on heating

Incompatible Materials:: Strong alkalis

11. TOXICOLOGICAL INFORMATION

Acute Oral/Dermal Toxicity: No toxicity data available for the product itself

Skin Irritation: Irritation of skin and mucous membranes is possible

Eye Irritation: Light irritation possible

Sensitization: No sensitizing effects known

Long Term Toxicity: Did not show mutagenic, carcinogenic, reproductive effects

Specific Target Organ Toxicity: Not classified for single or repeated exposure



12. ECOLOGICAL INFORMATION

Toxicity:	No eco-toxicological data available at present
Persistence and degradability:	Readily biodegradable
Bio-accumulative potential:	No bioaccumulation expected
Mobility in soil:	No further relevant data available
PBT and vPvB assessment:	Not applicable
General Notes:	Do not allow undiluted product or large quantities to reach ground water, watercourses or sewage
Environmental effects:	Used in excess quantities the product can cause eutrophication in water
Other adverse effects:	No further relevant data available

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. 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
Sea Transport (IMDG)	Not dangerous goods
Air Transport (IATA-DGR)	Not dangerous goods

15. REGULATORY INFORMATION

This product is not classified according to EU legislation

Classification and labeling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use



16. OTHER INFORMATION

Recommended uses and restrictions: Follow the instructions

Full text of R Phrases and H Statements referred to under Section 3:

Ox. Sol. 3	Oxidising Solid, Category 3
H272	May intensify fire; oxidizer
O	Oxidising
R8	Contact with combustible material may cause fire
R9	Explosive when mixed with combustible material

Abbreviations and Acronyms

CAS No	Chemicals Abstract Service Registry Number
EC No	European Community Number
Regulation (EC) No 1272/2008	Classification, Labelling and packaging
Directive 67/548/EEC	Dangerous Substances Directive
IMDG Code	International Maritime Dangerous Goods Code
ADR	International carriage of dangerous Goods by Road
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
IATA-DGR	International Air Transport Association- Dangerous Goods Regulations

Further information

Before using this product, ensure that you read and understand its label

The information in this Safety Data Sheet has been prepared in accordance with the applicable European Directives. The information is believed to be correct at the time of going to press. Always read the label and product information before use. For further information please contact Westland Horticulture Ltd, 14 Granville Industrial Estate, Granville Road, Dungannon, County Tyrone, BT70 1NJ.