SECTION 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product identifier

Trade name and/or other names and company product codes by which the mixture can be identified

Product name: **Vermiculite Fine**
Product code: **FXS1702S**
Unique Formula Identifier (UFI): **n/a**

1.2 Relevant identified uses of the mixture and uses advised against

1.2.1 Relevant identified uses

Horticultural growing medium

1.2.2 Uses advised against

Do not use for any other purpose.

1.3 Details of the supplier of the safety data sheet

Westland Horticulture Ltd
Bridges Road
Ellesmere Port
Cheshire
CH65 4LB

Sinclair is a subsidiary of Westland Horticulture Ltd

Telephone: 01513566014 (UK)
Email: sales@sinclairpro.com

1.4 Emergency telephone number

01480 443789 (UK)

Available:	24 h
Time Zone:	UK GMT
Language(s) of phone service:	English

National Emergency Telephone Numbers

Country/provider	
UK / UK National Poisons Information Service	0121 507 4123 / 24h (GMT) / English
Ireland / Poisons Information Centre of Ireland	01 809 2566 / 24 h / English

SECTION 2. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) no. 1272/2008 [CLP]

Not classified.

2.2 Label elements

Labelling according to Regulation (EC) no. 1272/2008 [CLP]

Hazard pictograms

[None]

Signal word (CLP)	[None]
Hazard statements (CLP)	[None]
Precautionary statements (CLP)	P101 If medical advice is needed have product container or label at hand. P102 Keep out of reach of children

2.3 Other hazards

This mixture does not meet the PBT criteria of REACH Regulation, Annex XIII.
This mixture does not meet the vPvB criteria of REACH Regulation, Annex XIII.
The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components

None

Additional information

For full text of H-phrases, see Section 16.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general:	Have the product container, label or Safety Data Sheet with you when calling a poison control centre or physician or going for treatment.
First-aid measures after inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a poison centre or a doctor if you feel unwell.
First-aid measures after skin contact:	Rinse immediately with plenty of water. In case of a skin reaction, consult a physician.
First-aid measures after eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Do not induce vomiting unless directed to do so by medical Personnel. Rinse out mouth and then drink water. Seek medical attention if symptoms persist or develop.

4.2. Most important symptoms and effects, both acute and delayed.
None reported.

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

SECTION 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. Special 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 firefighters
Wear full protective clothing and self-contained breathing apparatus if required.

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
6.1.1 For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel. Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
Remove immediately any contaminated clothing. Call the emergency services if the release is not immediately controllable. If the release is localised and immediately controllable, wear a Self-Contained Breathing Apparatus (SCBA) and try and control the release at its source.
Protective equipment: Wear prescribed personal protective equipment to prevent inhalation and contact with eyes and skin. A Self-Contained Breathing Apparatus (SCBA) may be required if there is an elevated risk for exposure.

6.1.2. For emergency responders
Protective equipment: Do not attempt to act without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions
Use appropriate containment to avoid environmental contamination. Control the release at its source. Contain spills to prevent it from spreading, contaminating soil or entering sewage and drainage systems or any body of water. Inform the local water authorities if the release enters drains, surface or ground waters.

6.3. Methods and material for containment and cleaning up
For containment
Wear prescribed personal protective equipment to prevent inhalation and contact with eyes and skin. A Self-Contained Breathing Apparatus (SCBA) may be required if there is an elevated risk for exposure. Clean up spills immediately and place in a compatible disposal container.

Vacuum or sweep up material.
Place into suitable labelled containers for disposal according to local / national regulations

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

Other information
Not Applicable

6.4. Reference to other sections
Refer to Section 8 for personal protective equipment and to Section 13 for disposal instructions.

SECTION 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
- Do not spread onto surfaces other than grass to avoid staining

7.2 Conditions for safe storage, including any incompatibilities.
- 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 use(s)
Use as a horticultural growing medium according to the instruction on the label.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control Parameters
Occupational Exposure limit values
Occupational Exposure limit values have been set for the following components:

United Kingdom:
Workplace exposure Limits as defined by UK HSE in document EH40/2005:

Substance	CAS number	Workplace Exposure Limit				Comments
		Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15 minute reference period)		The Carc, Sen and Sk notations are not exhaustive. Notations have been applied to the substances identified in IOELV Directives*
		ppm	mg.m^{-3}	ppm	mg.m^{-3}	
Vermiculite total inhalable respirable	1318-00-9	- -	10 4	- -	- -	-

*IOELV – Indicative Occupational Exposure Limit Values (IOLEV).

Ireland:

Substance	CAS number	Workplace Exposure Limit			
		Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15 minute reference period)	
		ppm	mg.m^{-3}	ppm	mg.m^{-3}
Limestone total inhalable respirable	1318-00-9	- -	10 4	- -	- -

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 protection equipment

A risk assessment based on the task being performed and the risks involved should be carried out to determine personal protection equipment required When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards.

Eye and face protection:

Wear suitable eye protection (EN 166).

Skin protection:

Wear suitable gloves when handling the product over long periods or if a risk assessment indicates this is necessary. Gloves complying with EN420.

Other skin and body protection: Protective work clothing.

Respiratory protection:

Not necessary if room is well ventilated Use suitable dust respirator if dust concentration is high (Filter P2).

8.2.3 Environmental exposure controls

Implement all applicable local and community environmental protection legislation. Refer to Section 15. Use appropriate containment to avoid environmental contamination. Do not empty into drains. Do not contaminate water with the product or used container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads. Refer to Section 12 and 13.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

All the data contained in this section are derived from similar mixtures unless otherwise stated.

a)	Physical state:	Solid accordion-shaped particles
b)	Colour:	Gold/Brown
c)	Odour:	odourless
d)	Melting point/freezing point:	>1300°C
e)	Initial boiling point and boiling range:	No data available.
f)	Flammability (gas, liquid, solid):	Not flammable.
g)	Upper/lower explosion limits:	Not explosive.
h)	Flash point:	No data available.
i)	Auto-ignition temperature:	No data available.
j)	Decomposition temperature:	No data available
k)	pH:	6.0 – 8.0 20°C (10% solids in water suspension)
l)	Kinematic viscosity	No data available.

m)	Solubility(ies)	No data available
n)	Partition coefficient: n-octanol/water (log value):	No data available
o)	Vapour pressure:	No data available
p)	Density	No data available
q)	Relative vapour density	No data available
r)	Particle characteristics	No data available

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No data available.

9.2.2 Other safety characteristics

None

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions of storage, handling and use.

10.2 Chemical stability

Stable when stored in original container under normal conditions of storage, handling and use.

10.3 Possibility of hazardous reactions

Hazardous reactions should not occur under normal transport or storage conditions.

10.4 Conditions to avoid

N/A

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

None reported.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

(a) acute toxicity:

Product:

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

(b) skin corrosion/irritation:
The mixture is not classified as skin irritant based on formulation components.

(c) serious eye damage/irritation:
The mixture is not classified for eye damage based on formulation components.

(d) respiratory or skin sensitisation:
The mixture is not classified as a sensitizer based on formulation components.

(e) germ cell mutagenicity:
The mixture is not classified as mutagenic hazard based on formulation components.

(f) carcinogenicity:
The mixture is not classified as carcinogen hazard based on formulation components.

(g) reproductive toxicity:
The mixture is not classified as reproductive toxic hazard based on formulation components.

(h) STOT-single exposure:
The mixture is not classified as STOT – single exposure.

(i) STOT-repeated exposure:
The mixture is not classified as STOT – repeated exposure.

(j) aspiration hazard:
The mixture is not classified as an aspiration hazard.

11.2 Information on other hazards:

Endocrine disrupting properties:	None
Other information:	None

SECTION 12. ECOLOGICAL INFORMATION

The mixture has not been tested. The mixture is not classified for environmental hazard based on formulation components.

12.1 Toxicity
No information available on mixture.

12.2. Persistence and degradability
No information available on mixture.

12.3. Bioaccumulative potential
No information available on mixture.

12.4. Mobility in soil
Negligible

12.5. Results of PBT and vPvB assessment
This substance is not considered to be persistent, bioaccumu-lating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Endocrine disrupting properties
No information available on mixture.

12.7. Other adverse effects
No additional information available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Product:
The residues of this product as such are to be considered non-hazardous special waste. Check if agriculture use is possible. Dispose of by use on farm 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.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number or ID number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Dangerous for the environment:	No
Marine pollutant:	No
Other information:	No supplementary information available

14.6. Special precautions for user

None.

14.7. Transport in bulk according to according to IMO instruments

Not applicable.

SECTION 15. REGULATORY INFORMATION

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

EU Regulations

REGULATION (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

REGULATION (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

National Regulations/legislation:

Refer to applicable national classification, packaging and labelling legislation.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment under Regulation (EC) 1907/2006 has been carried out.

SECTION 16. OTHER INFORMATION

(a) Reasons for update:

Change in formatting	All sections.

(b) Abbreviations and acronyms:

PBT	Persistent, Bioaccumulative, Toxic
vPvB	very Persistent, very Bioaccumulative

(c) Key literature references and sources for data:

ECHA Database
ECHA Guidance on the compilation of safety data sheets
ECHA guidance on the Application of the CLP Criteria

(d) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008:

Classification according to Regulation (EC) 1272/2008	Classification procedure
Not classified.	By calculation on basis of components.

(e) Relevant H-statements and precautionary statements not written out in full under Sections 2 to 15:

None.

(f) Training advice:

General occupational hygiene training recommended.

(g) Further information:

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the user to determine the applicability of such information or the suitability of any products for their own particular purpose.
This Safety Data Sheet was compiled in compliance with Regulation (EC) 1907/2006 as amended by 2020/878 and 2015/830