SAFETY DATA SHEET
Sinclair Hydroleca

Date: 12th February 2019
Version: 01
Revision number: n/a
Supersedes: n/a

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier: Sinclair Hydroleca
Product code: FXE00272S

1.2 Relevant uses of the substance or mixture and uses advised against:
Supplied for amateur use as a growing media additive for use in horticulture.

1.3 Details of the supplier of the safety data sheet:
Westland Horticulture Ltd
Bridges Road
Ellesmere Port
Chester
CH65 4LB

Sinclair Pro is a subsidiary of Westland

Telephone Number: 0151 356 6014 (09:00 to 17:00)

E-mail Address: sales@sinclairpro.com

1.4 Emergency telephone number
Emergency telephone Number: 0151 356 6014 (09:00 to 17:00)

2. Hazards Identification

2.1 Classification of the substance or mixture
2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]
Not classified

2.2 Label Elements according to Regulation (EC) No 1272/2008 [CLP]
There are no statutory label elements.

2.3 Other hazards
This mixture does not contain any substances that are assessed to be PBT or vPvB.

3. Composition/information on ingredients

3.2 Mixtures
Hazardous components

Name:	CAS/ EC No.	Index No./REACh Registration No.	Pictogram(s) according to 1272/2008:	H-phrase(s) according to 1272/2008:	Conc. [% w/w]
Silica, respirable crystalline	-	-	None	None Substance with Workplace Exposure Limit	>50
Aluminium oxide	1344-28-1/ 215-691-6	-	None	None Substance with Workplace Exposure Limit	10-20

Iron oxide	1332-37-2/ 215-570-8	-	None	None Substance with Workplace Exposure Limit	5-10

4.0. First Aid Measures

4.1 Description of first aid measures

General advice
Compliance with the rules of good industrial hygiene is recommended.

Inhalation
If large amounts of dust are inhaled, remove exposed person to fresh air, keep warm and at rest. If breathing problems occur administer oxygen or CPR. Seek immediate medical attention.

Ingestion
Wash out mouth with water.
Get medical attention if adverse health effects persist or are severe.

Skin contact
Wash skin immediately with soap and water. Get medical attention if irritation develops and persists.

Eye contact
Immediately flush eyes with plenty of water.
If eye irritation persists, consult a specialist.

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

4.3 Indications of any immediate medical attention and special treatment needed
Notes to physician
No specific treatment.

5. Fire-Fighting measures

5.1 Extinguishing media
Suitable
Not combustible. Use water spray, fog or foam, carbon dioxide. Use an extinguishing agent suitable for the surrounding fire

Not suitable
None reported.

5.2 Special hazards arising from the substance or mixture
In a fire or if heated, a pressure increase may occur. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products
In combustion may emit toxic fumes.

5.3 Advice for firefighters
Special precautions for fire-fighters
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid contact with skin, eyes and clothing.
Prevent formation of dust if possible. Respiratory equipment should be worn if dust created.
Provide adequate ventilation.

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

6.3 Methods and material for containment and cleaning up
Avoid dry sweeping, dust creation and wind dispersal.
Collect powder using a special dust vacuum cleaner with particle filter.
Transfer to a suitable labelled container for disposal according to local regulations.
If a vacuum system is not available only wet clean up methods should be used.

6.4 Reference to other sections
Note: see SECTION 1 for emergency contact information, SECTION 8 for personal protection and section 13 for waste disposal.

7. Handling and storage

7.1 Precaution for safe handling
Avoid contact with skin, eyes and clothing. Avoid dust generation.
Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
The use of engineering measures such as local dust extraction is recommended to provide effective dust control in order to ensure compliance with the current Occupational Exposure Limits.

7.2 **Conditions for safe storage, including any incompatibilities**
Store in accordance with local regulations.
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use.
Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 **Specific end use(s)**
For use as a growing media additive for use in horticulture.

8.Exposure controls/personal protection

8.1 Control Parameters
Workplace exposure Limits as defined by UK HSE in document EH40/2005 where available:

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**

		ppm	mg.m^{-3}	ppm	mg.m^{-3}	**identified in IOELV Directives***
Silica, respirable crystalline	-	-	0.1	-	-	-
Aluminium oxide Inhalable dust Respirable dust	1344-28-1	- -	10 4	- -	- -	-
Iron salts (as Fe)	-	-	5	-	10	-

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

8.2 Exposure controls
General
Avoid contact with skin, eyes and clothing.

Hygiene measures:
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure that there is sufficient ventilation of the area.

Eye and face protection
Wear tightly fitting safety goggles and Face shield that meet EN 166 a/o ANSI Z87.1 standards

Skin protection
When handling wear gloves.
Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact.

Inhalation
In cases of prolonged exposure to airborne dust concentrations, wear respiratory protective equipment that complies with European or national legislation i.e. Type FFP2.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties
Appearance: Grey solid
Physical state at 20^{o}C: Solid
Odour: Odourless
Odour threshold: No data
pH: 7 - 10
Melting Point: 1100 – 1500 ^{o}C
Boiling point: No data
Freezing point: Not applicable
Flash point: Not applicable
Evaporation rate: Not applicable
Flammability: Not flammable
Explosion limits Non-explosive
Upper: No data
Lower: No data
Vapour pressure: Not applicable
Vapour density: No data
Bulk density: 320 – 700 Kg/m^3
Solubility: Insoluble
Partition coefficient: n-octanol/water No data

Auto-ignition temperature: No data
Decomposition temperature: No data
Viscosity: Not applicable
Explosive properties: No data
Oxidising properties: No data

9.2 Other Information
No other relevant information available

10. Stability and reactivity

10.1 Reactivity
Not likely to react adversely if stored and handled as recommended.

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid
Not applicable.

10.5 Incompatible materials
Not known.

10.6 Hazardous decomposition products
None reported, unlikely to combust.

11. Toxicological Information

11.1 Information on toxicological effects
The mixture has not been assessed for toxicological effects, the mixture classification is given in section 2 based on individual component contents. Individual component hazards are given in section 3

Acute toxicity:	Not expected to be toxic.
Skin corrosion/irritation:	Product is not classified as causing skin irritation.
Serious eye damage/irritation:	Product is not classified as causing severe eye irritation or eye damage.
Respiratory or skin sensitisation:	Product is not classified as causing skin sensitisation.
Germ cell mutagenicity:	No information specified.
Carcinogenicity:	No information specified.
Reproductive toxicity:	No information specified.
STOT-single exposure:	Product is not classified as having Specific Target Organ Toxicity for single exposure
STOT-repeated exposure:	No information specified.
Aspiration hazard:	No information specified.

12. Ecological Information

12.1 Toxicity
Mixture not classified as harmful to aquatic life.

12.2 Persistence and degradability
Information not available.

12.3 Bioaccumulative potential
No applicable.

12.4 Mobility in soil
Negligible.

12.5 Results of PBT and vPvB assessment
This mixture does not contain any substances that are assessed to be PBT or vPvB.

12.6 Other adverse effects
No adverse effects expected if regulations and advice for storage and handling are pbserved.

13.Disposal considerations

13.1 Waste Treatment Methods
Methods of disposal:
The residues of the product as such are to be considered non-hazardous special waste.
Disposal must be entrusted to a company authorized to manage waste, in compliance with national and possibly local regulations. Never dispose of the product in the ground, in sewers or waterways.
CONTAMINATED PACKAGING
Contaminated packaging must be sent for recovery or disposal in accordance with national waste management regulations

14. Transport Information

14.1 UN number: Not applicable
14.2 UN proper shipping name: Not applicable
14.3 Transport hazard: Not applicable
14.4 Packing group: Not applicable
14.5 Environmental hazards: Product is not classified as harmful to the environment.
14.6 Special precautions for user: No information available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code
Applicable for Maritime bulk transport only. Check with carrier.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.
This substance is classified and labelled in accordance with regulation 1272/2008 and 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.

15.2 Chemical Safety Assessment
CSA not undertaken for this substance

16. Other Information

Abbreviations:

PBT	Persistent, Bioaccumulative, Toxic
STOT	Specific Target Organ Toxicity
vPvB	very Persistent, very Bioaccumulative

SDS information:

This safety data sheet is compiled using data submitted for raw materials and practical experience. This product is intended for professional users only.

This Safety Data Sheet is prepared in compliance with regulation 1272/2008 and 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.

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