

SAFETY DATA SHEET

PRODUCT NAME: PowercropK

Not classified as hazardous according to the criteria of WHS Model Regulations

1.0 IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product Name: PowercropK
Product use: Botanical extract based plant stimulant/nutrient synergist
Not recommended for: For industrial use only. Do not use for any other purpose.
Company Details: Soil Biology Ltd
Telephone /Fax: Tel 01892 883759
Emergency Tel: Tel 01892 883759

2.0 HAZARDS IDENTIFICATION

WHS:

Dangerous Goods:	Not classified as dangerous goods according to ADG code
Hazardous Substances:	Not classified as hazardous according to the criteria of WHS Model Regulations
Hazard Category:	Nil
Other Information:	First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

GHS Classification:

Hazard	Category	Type
Nil		Physical
Acute toxicity Oral Skin Irritation Serious eye irritation	Nil Nil Nil	Health
Acute aquatic toxicity	Nil	Environmental

GHS Label Elements:

Signal Word:	Nil	
Pictogram:	Nil	

Not classified as hazardous according to the criteria of WHS Model Regulations

Hazard Statements:

Nil

Precautionary Statements:

Code	Prevention	Code	Response	Code	Storage	Code	Disposal
P102	Keep out of reach of children	P301	If swallowed do not induce vomiting. Rinse mouth with water	P403, P235	Store in a well-ventilated place. Keep cool.	P501	Dispose of in accordance with local regulations
P103	Read label before use	P303, 361, 353	If on skin, remove contaminated clothing, rinse skin with water				

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

General Information on ingredients:

Product is based on botanical extracts and fatty acids

Ingredient Name	CAS number	% Weight	Classification	Level	GHS H-Codes
Ethanol	64-17-5	4-6%	Oral toxicity Skin irritation Serious eye irritation	4 2 2A	H302 H315 H319
Glycerine	56-81-5	25-35%	Oral toxicity Skin irritation Serious eye irritation	Nil	Nil
Bioflavonoid mixture	72968-50-4	4-8%	Oral toxicity Skin irritation Serious eye irritation	Nil	Nil
Fatty acid blend	Proprietary	15-25%	Skin irritation Serious eye irritation	Nil	Nil
Non-hazardous Ingredients	Proprietary	5-10%	Nil	Nil	Nil
Water	N/A	Rem.			

4.0 FIRST AID MEASURES

General Information:

- Notes to Physician

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor/physician.
Ingestion:	If person is conscious rinse mouth with water. Do not induce vomiting without medical advice. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If victim is conscious, give water to further dilute the chemical.
Skin Contact:	In case of contact, wash affected area with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation or redness occurs. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a POISON CENTRE or doctor/physician if irritation persists.

5.0 FIRE FIGHTING MEASURES

Extinguishing Media:	Use extinguishing media suitable for surrounding fire situation.
Specific Hazards:	Nil
Advice to Firefighters:	Firefighters should wear Self-Contained Breathing Apparatus and full protective clothing to minimise exposure. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. If safe to do so, remove undamaged containers from fire area
Hazchem Code:	Nil

6.0 ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Wear suitable protective clothing to minimise exposure. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. If safe to do so, remove undamaged containers from area. Bund area using inert absorbent material such as sand, then collect in plastic containers. Alert local authorities if large spills cannot be contained. Dispose of residues to approved land fill in accordance with local regulations. Do not allow residues to enter storm water drains. Clean area using detergent and water to avoid slippery residues.
-----------------------------	--

7.0 HANDLING AND STORAGE

Handling	Always add product to water, never water to product. It is recommended that all who come into contact with the concentrated material be appropriately covered to avoid skin and eye contact, and maintain good standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet. Keep container closed and bung in place when not in use. When handling product ensure good ventilation is maintained through either natural airflow, or mechanical systems.
Storage	Always store in original containers. If container is damaged transfer contents to a PVC or polyethylene container. Never store in a metal container. Keep containers closed when not in use and securely stored to avoid physical damage. Always store away from possible areas of high temperature. Inspect containers regularly for deficiencies such as damage or leaks.

8.0 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits	No exposure limit has been established for this product.
Respiratory Protection	Not necessary for general use of the product. Ensure adequate ventilation, especially in confined areas. However, in case of insufficient ventilation wear suitable respiratory equipment. Wear a positive-pressure supplied-air respirator. Reference should be made to Australian Standards AS/NZS 1715
Eye Protection	Wear safety glasses to avoid accidental splashes.
Hand Protection	Wear impervious vinyl or rubber gloves when handling concentrate.
Body Protection	Light duty impervious rubber or plastic protective clothing or apron is recommended if handling large quantities of concentrate.
Engineering Controls	Not required for general use other than good natural ventilation. For confined space work ensure mechanical ventilation is applied.
Other Information	Prevent spills from entering natural waterways.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark red/Brown clear medium viscosity liquid
Odour	Distinct
Boiling Point	No Data
pH	3.5
Solubility in Water	Dispersible in water
Specific Gravity	1.1 @ 20° C
Physical State	Liquid
Flash Point	N/A
Flammability	Not flammable
Flammability Limit LEL	N/A
Flammability Limit UEL	N/A

10.0 STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage handling and use
Hazardous Polymerisation	Will not occur
Materials to avoid	Oxidizing agents (Chlorine, peroxide etc). Strong alkalies
Hazardous decomposition Products	Possible Carbon mono and dioxides.
Hazardous Reaction	Nil

11.0 TOXICOLOGICAL INFORMATION

Toxicology Information	Not available for this product. Similar technology LD ₅₀ Acute Oral (Rat > 5800mg/kg)
Inhalation	No data
Ingestion	Not a likely source of exposure, however, contact with concentrate may cause irritation with some people. Potential symptoms of ingestion include nausea, diarrhoea, abdominal pain and vomiting.
Skin	May cause mild irritation with prolonged contact with the concentrate, which can result in redness in some people.
Eye	Concentrate may be Irritating to eyes. May cause transient soreness on prolonged contact with dilute solutions. Immediate irrigation with water is recommended
Sensitizing effects	None Known. Not expected to be a sensitizer
Chronic effects	No known adverse effects

12.0 ECOLOGICAL INFORMATION

Eco Toxicity	No information for product. Not expected to be harmful to the environment
Aquatic Toxicity	Not considered harmful to aquatic organisms when diluted beyond 5% v/v
Biodegradability	Readily biodegradable
Bioaccumulation	No Data available, but not expected to bio-accumulate

13.0 DISPOSAL CONSIDERATIONS

General	Dispose of waste according to federal, E.P.A., state and local regulations, for flammable goods. Assure conformity with all applicable regulations
Containers	Before disposing of empty containers, ensure contents are washed out and collected. Do not disposed of unwashed containers.

14.0 TRANSPORT INFORMATION

Road and Rail Transport

Not classified as dangerous goods according to the ADG code

Proper shipping name	Nil
UN Number	Nil
Class	Nil
Packing Group	Nil
Hazchem Code	Nil

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Proper shipping name	Nil
UN Number	Nil
Class – Primary	Nil
Packing Group	Nil

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous goods Regulations for transport by air.

Proper shipping name	Nil
UN Number	Nil
Class – Primary	Nil
Packing Group	Nil

15.0 REGULATORY INFORMATION

Precautionary Statements	P102	Keep out of reach of children
	P103	Read label before use

Poisons schedule	Nil
AICS (Australia)	All ingredients are listed in the Australian Inventory of Chemical Substances (AICS).

16.0 OTHER INFORMATION

This SDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

SDS History	SDS Creation 10 January 2021. (Replaces version dated 10th January 2022 End of SDS...
--------------------	--