

Section 1: Identification of the Hazardous Chemical and of the Supplier

1.1 Product Identifier

Product Name: SOFertilizer
 Trade Name: SOFertilizer
 Active Ingredient: Mixture of *Cocos nucifera* L, Effluent Pond Water (EPW) mass balance product of oil palm biomass, Lactic Acid Liquid (LABS), Fish Amino Acid Liquid (FAA), Plant Growth Promoting Rhizobacteria (PGPR), Bio-Boron, Bio-Calcium and Bio-Magnesium

CAS No.(AI): No data
 Structural Formula: -
 Recommended Usage: Plant nutrition

1.2 Supplier's Information

Address: Sofield Agrobio Resources Sdn. Bhd.
 Lot 1834, Eastwood
 Industrial Park, Jalan By-Pass, 98000 Miri, Sarawak
 Tel.: +6-085-320 961
 Web: <https://sofertilizer.com/>
 Email : sofield2302@gmail.com

Section 2: Hazard Identification

Classification: Not classified as hazardous under CLASS Regulation 2013
 Pictogram: Not applicable
 Signal Word: Not applicable
 Hazard Statement: Not applicable
 Precautionary Statement: Not applicable

Section 3: Composition and Information of the Ingredients of the Hazardous Chemical

Component	Weight, %	Hazard Code
pH	2.96	No data
Ash	0.4	No data
Moisture, %	97.01	No data
Organic Matter, %	4.71	No data
Organic Carbon, %	2.73	No data
Nitrogen (as N), %	0.39	No data
Phosphorus (as P ₂ O ₅), %	0.07	No data
Potassium (as K ₂ O), %	0.16	No data
Magnesium (as MgO), %	0.12	No data
Calcium (as Ca), ppm	2142.50	No data
Copper (as Cu), ppm	15.58	No data
Zinc (as Zn), ppm	42.03	No data
Boron (as B ₂ O ₃), %	0.08	No data
Humic Acid, %	0.05	No data
CEC, Meq/100g	2.50	No data
C/N Ratio	7.00	No data



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Section 4: First-aid Measures

Call a POISON CENTER or doctor/physician if you feel unwell.

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if necessary.
Skin Contact:	Rinse skin with water/shower.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15-20 minutes.
Ingestion:	Induce vomiting if the person is conscious.
Symptoms:	No data available
Notes to Physician:	No data available

Section 5: Fire-fighting Measures

Suitable Extinguishing Media:	Not applicable
Specific Hazard During Fire:	Not applicable
Special Protective Equipment:	Not applicable

Other Information: None

Section 6: Accidental Release Measures

Personal Precautions:	Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
Environmental Precautions:	Not hazardous to the environment as it is eco-friendly
Method for Cleaning Up:	Wear protective clothing as indicated in Section 8. Collect spills into a drum. Cover up the contaminated area with household detergent and small amount of water. Brush the slurry and spread inert absorbents on the slurry liquid and collect the absorbed material in a drum. Seal drum and dispose of.

Section 7: Handling and Storage

Precautions for Safe Handling:	Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Keep material packaging dry. Maintain within 0 – 30°C.
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Conditions for Safe Storage: Store in a well ventilated place. Keep container tightly closed, away from direct sunlight to keep the microbes lives

Incompatibles: Chlorinated Water

Section 8: Exposure Control and Personal Protection

Exposure Limit: No data available
 Engineering Control: General ventilation or local exhaust ventilation
 Individual Protection Measure: Do not handle until all safety precautions have been read and understood.
 Personal Protective Equipment:
 Eye Protection: Goggles
 Skin Protection: Gloves
 Respiratory Protection: Face mask

Section 9: Physical and Chemical Properties

Appearance: Liquid form and reddish
 Odour: Musty or yeasty smell
 Odour Threshold: No data
 pH: No data
 Melting/Freezing Point: No data
 Initial Boiling Point: No data
 Boiling Range: No data
 Flash Point: No data
 Evaporation Rate: No data
 Flammability: No data
 Upper Flammability Limit: No data
 Lower Flammability Limit: No data
 Vapour Pressure: No data
 Vapour Density: No data
 Relative Density: > 1
 Solubility in Water: Soluble in water
 Partition Coefficient $P_{o/w}$: No data
 Auto-ignition Temperature: No data
 Decomposition Temperature: No data
 Viscosity: No data

Section 10: Stability and Reactivity

Reactivity: Biological active ingredient reacts to water
 Chemical Stability: The material is stable under dry condition
 Hazardous Reaction: No data
 Condition to Avoid: High temperature in open space, keep sunlight away



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Incompatible Material: Chlorinated water

Hazardous Decomposition

Product: Biologically activated product may produce CO₂, ethanol and methane. Chemical oxidation may produce CO₂, CO, SO, SO₂ and methane.

Section 11: Toxicological Information

11.1 Acute Toxicity No data available.

11.2 Chronic Effect from Short and Long Term Exposure

Skin Contact: No data available

Eye Contact: No data available

Inhalation: No data available

Skin Sensitization: May induce allergic reaction in individuals sensitive to gas mixture of content.

Ingestion: No data available

Carcinogenicity: No data available

Mutagenicity: No data available

Teratogenicity: No data available

11.3 Symptoms No data available.

Section 12: Ecological Information

Ecotoxicity: No data available

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effect: No data available

Section 13: Disposal Information

Dispose of contents/container categorized as Domestic Waste

Section 14: Transportation Information

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Land (ADR/RID)	Not Regulated
Sea (IMDG)	Not Regulated
Air (IATA)	Not Regulated

Section 15: Regulatory Information

Classification: Not classified as hazardous under CLASS Regulation 2013
Pictogram: Not applicable
Signal Word: Not applicable

Pesticides Act:
Classification: Not applicable

Section 16: Other Information

Date of Preparation: 21 November 2021
Date of Revision:
Reference Document: ICOP on Chemicals Classification and Hazard Communication 2014
GHS Purple Book
MS

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