

SAFETY DATA SHEET: Synchron

1. IDENTIFICATION

Product Name: Synchron
Other names: Protein hydrolyzates
Use: A fertilizer additive to use with Calcinit to break dormancy and stimulate buds.
Supplier: Key Industries Ltd
Address: P.O. Box 65070, Mairangi Bay, Auckland 0754
Telephone: 09 917 1791
Emergency Phone: 0800 CHEMCALL (0800 243 622) 24 hours
National Poisons Centre: 0800 POISON (0800 764 766)

2. HAZARD IDENTIFICATION

Product is classified as non-hazardous according to Hazardous Substances (Hazard Classification) Notice 2020 of the HSNO Act, 1996.

HSNO Approval: Not required
Hazard Classifications: Not applicable
Pictograms: Not applicable
Signal word: Not applicable

Hazard Statements:
Not required

Prevention Statements:
Not required

Response Statements:
Not required

Storage Statements:
Not required.

Disposal Statements:
Not required.

3. COMPOSITION: INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (%w/w)
Protein hydrolysates	9015-54-7	25 - <50
Other ingredients (non hazardous)	Trade secret	Balance

4. FIRST AID MEASURES

Consult the National Poisons Information Centre 0800 POISON (0800 764 766) or a doctor if person feels unwell after handling. Have product label or Safety Data Sheet at hand.

INGESTION: Do not induce vomiting. Rinse mouth. Call POISON CENTRE or doctor for advice if large quantity ingested or if person feels unwell.

SKIN CONTACT: Wash with soap and water. If irritation persists, obtain medical advice.

EYE CONTACT: Flush with running water for at least 15 minutes. Remove contact lenses if present, and easy to do after 5 minutes before continuing rinsing. If irritation persists, obtain medical advice.

INHALATION: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If person is experiencing respiratory problems, get medical advice.

First Aid facilities: Provide eye wash and hand washing facilities.

Advice to Doctor: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flashpoint: Non-flammable product.

Suitable extinguishing media: Alcohol resistant foam, carbon dioxide, dry powder or water fog. Use extinguishing media

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appropriate to surrounding materials. Do not use water as jet and this will spread fire.

Hazards from combustion products: No information available.

Precautions for fire fighters and special protective equipment: Self-contained breathing apparatus (SCBA) with full face-piece and protective clothing conforming to Australia/New Zealand Standards (AS/NZS 4967, AS/NZS1801, AS/NZS 4821).

Hazchem Code: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Avoid contact with skin and eyes. Wear gloves, safety glasses or goggles, and protective clothing/boots.

Methods and materials for containment

In the event of a spill, isolate area and take all practicable steps to prevent product from entering streams and waterways. Recover product into labelled container for recovery or disposal. Wash contaminated area with water. In event of large spillage contaminating a watercourse, notify the Police, local Health Protection Officer and Council.

7. HANDLING AND STORAGE

Precautions for safe handling: Keep out of reach of children. Avoid breathing mist and contact with skin or eyes. Observe good personal hygiene practices and recommended procedures including wearing of personal protective equipment. Wash hands thoroughly with soap and water after handling. If clothing is contaminated, wash before reuse.

Conditions for safe storage: Keep out of reach of children. Store in tightly closed container in 5 to 45 °C temperature range in dry place away from foodstuffs, heat, static electricity. Avoid contamination of and with other products. Store in accordance with current version of NZS 8409 Management of Agrichemicals.

Incompatible materials: Not specified.

Other: Maximum storage time (shelf life) under recommended conditions is 36 months.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Health Exposure Standards: Workplace Exposure Standard (WES), have not been set by Worksafe NZ ed.15, February 2025.

Biological limit values: None established.

Engineering Controls:

Ventilation: Not required when used outdoors in a well-ventilated area.

Personal Protective Equipment:

Respiratory Protection: Wear mask if risk of inhaling spray mist.

Eye Protection: Wear safety glasses with side shields when mixing or applying.

Skin/ Body Protection: Wearing of impervious gloves is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Odour	Not available
Odour threshold	Not determined
pH	Not available
Melting/Freezing point °C	Not available
Boiling Point/Range °C	100
Flash Point °C	Not flammable.
Flammability (solid, gas)	Not applicable
Upper/lower flammability limits	Not determined
Vapour Pressure Pa @ 20°C	2350
Vapour Density kPa @ 20°C	Not determined
Density	1099 g/cm ³
Solubilities	Not determined
Partition coefficient: n-octanol/water	Not determined
Autoignition Temperature °C	Not determined
Decomposition Temperature °C	Not determined
Kinematic viscosity, cSt at 20°C	1.75
Dynamic viscosity, cSt at 20°C	1.93
Particle characteristics	Not available

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10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use and storage.
Conditions to avoid: Exposure to sources of heat, sunlight, radiation, static electricity.
Incompatible materials: Strong acids, strong bases.
Hazardous decomposition products: No information available.
Hazardous reactions: None specified.

11. TOXICOLOGICAL INFORMATION

Toxicity classifications determined by assessment of the components in the formulated mixture.
Acute toxicity: Not classified as being acutely toxic by oral, dermal or inhalation exposure.
Aspiration hazard: Not classified as an aspiration hazard.
Respiratory irritation: Not classified.
Skin corrosion/irritation: Not classified as skin irritant.
Serious eye damage/irritation: Not classified as an eye irritant.
Respiratory or skin sensitization: Not classified as either a respiratory or contact sensitizer.
Germ cell mutagenicity: Not classified.
Carcinogenicity: Not classified.
Reproductive toxicity: Not classified.
Specific organ toxicity: Not classified.
Narcotic effects: Not classified.
Toxicological Information: Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: This mixture is not classified as being ecotoxic.
Persistence and degradability: No specific information available.
Potential to be bioaccumulative: No specific information available.
Mobility in soil: No information available.
Other adverse effects: No information available.
Ecotoxicological Information: No information available.
Environmental Exposure Limits (EEL's): Not set.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Triple rinse containers using wash water to make up spray solution. Crush and dispose of empty containers to approved landfill if unable to be disposed to a recycler or designated collection facility.
 Do not burn product or empty containers.
 Dispose in accordance with all local and national regulations.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	Not applicable	UN No.	Not applicable	UN No.	Not applicable
Proper Shipping Name		Proper Shipping Name		Proper Shipping Name	
DG Class		DG Class		DG Class	
Sub. Risk		Sub. Risk		Sub. Risk	
Pack Group		Pack Group		Pack Group	
Hazchem		Hazchem			

Dangerous Goods Segregation

This product is classified as a non- Dangerous Good Class for Transport.
 Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2020 Transport of Dangerous Goods on Land for information.

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15. REGULATORY INFORMATION

HSNO Act 1996

Approval Code: Not applicable
Substance name: -
Classifications: -
HSNO Controls: Refer www.epa.govt.nz

ACVM Act 1997

Registration Number: Not applicable (Exempt).
Refer to www.foodsafety.govt.nz

16. OTHER INFORMATION

Date of Issue: 3rd March 2025.
Reasons for Issue: Review SDS and update emergency contact information.
Replaces: SDS dated 7th May 2021.

Abbreviations:

EPA New Zealand Environmental Protection Authority
GHS Global Harmonised System
HSIS Hazardous Substance Information System
HSNO Hazardous Substances and New Organisms
NZIoC New Zealand Inventory of Chemicals
STEL Short Term Exposure Limit (15 minute exposure period)
TWA Time-Weighted Average (8 hours exposure period)
WES Workplace Exposure Standard

References:

EPA www.epa.govt.nz
New Zealand Food Safety Authority www.foodsafety.govt.nz
Supplier Safety Data Sheet

Other:

The information contained herein is given in good faith but no warranty, expressed or implied is made.

End of safety data sheet

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the supplier's knowledge. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Key Industries Limited.

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Date of Issue: 3rd March 2025
Date for Revision: March 2030