



## Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Actinizyme™ Kiwifruit Enzyme  
**Product Code:** FG044  
**Primary Applications:** Dietary supplement, food adjunct  
**Manufacturer/Supplier:** Anagenix Ltd  
117 Lansford Crescent  
Avondale  
Auckland 0600  
New Zealand  
Tel: +64 9 5200831  
[www.anagenix.com](http://www.anagenix.com)  
**Emergency Numbers:** Chemtrec (US) 800-424-9300  
Chemtrec (INTL) +1 (703) 527-3887

### 2. HAZARDS IDENTIFICATION

**Hazard Classification:** NON-HAZARDOUS FOOD GRADE PRODUCT  
**OSHA Hazard Category:** Actinizyme™ consists of dried, milled fruit powder and contains no hazardous ingredients. It is suggested that the OSHA limit for nuisance dusts be employed due to the fine nature of the powder.  
**OSHA Limit for Nuisance Dust:** 5 mg/m<sup>3</sup> respirable fraction, 15 mg/m<sup>3</sup> total dust  
**Risk Statement:** N/A – non-hazardous under normal use, handling, transportation, and storage.  
**Safety Statement:** No known specific safety measures required when treated as a normal food grade item.  
**Hazard Statements**  
May cause skin irritation.  
May cause eye irritation.  
May cause respiratory irritation.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause allergy symptoms if ingested.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name:** Actinidia deliciosa (Kiwi) fruit powder (92.5%)  
**Common or Usual Name:** Green kiwifruit enzyme  
**Synonyms:** *Actinidia deliciosa* (A.Chev.) C.F.Liang & A.R.Ferguson;  
*Actinidia deliciosa* var. Hayward;  
*Actinidia deliciosa* 'Hayward';  
*Actinidia chinensis* var. *deliciosa*;  
*Actinidia chinensis* var. *deliciosa* 'Hayward';  
Chinese gooseberry; green kiwifruit; kiwi; kiwi fruit; kiwifruit enzyme powder; Hayward kiwifruit; Hayward green kiwifruit enzyme powder.  
**CAS #** NA  
**Additives/Excipients:** Flowing agent: silica (silicon dioxide, E551), 2%  
Anticaking agent: microcrystalline cellulose (E460(i)), 5.5%

### 4. FIRST AID MEASURES

**Eye Contact:** May cause irritation.  
Immediately flush eyes with copious amounts of water. Seek medical attention if irritation develops  
**Skin Contact:** May cause irritation.  
Wash with soap and water.  
**Inhalation:** May cause irritation.  
Remove to fresh air.

**Ingestion:** This is a food grade ingredient intended for human consumption; however should there be an adverse reaction upon ingestion seek medical advice and show label or container.

## 5. FIRE FIGHTING MEASURES

**Flash Point:** N/A  
**Extinguishing Media:** Water spray, carbon dioxide, dry chemical, Halon 1211.  
**Special Firefighting Procedures:** None  
**Unusual Fire & Explosion Hazards:** Manage bulk quantities to eliminate flammable air-dust mixtures. Keep free of ignition sources.  
**Hazardous Thermal Decomposition Products:** CO, CO<sub>2</sub> on combustion.

## 6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

**Personal Precautions:** Evaluate need based on situation.  
**Environmental precautions:** N/A - biodegradable product.  
**Methods for Cleaning:** Clean spills promptly to prevent slip/fall hazard. Remove sources of ignition in dusty conditions, scoop spilled material into containers for proper disposal.

## 7. HANDLING AND STORAGE

**Safe Handling:** N/A  
**Storage:** Store in cool (<20°C), dry storage area away from heat and direct sunlight.  
Keep away from ignition sources.  
Keep containers closed to maintain the performance of the product.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**National Exposure Standards:** N/A  
**Technical Protective Measures:** None known.  
**Personal Protective Equipment:** Protective gloves and goggles.  
**General Safety and Hygiene Measures:** Normal handling precautions and storage consistent with good manufacturing practices should be followed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (Physical State, Colour):** Powder, lyophilized, green-yellow to tan (shade subject to seasonal variation)  
**Odour:** Characteristic/typical of kiwifruit  
**Odour Threshold:** Not determined  
**pH:** Approx. 3.4  
**Melting Point/Freezing Point:** Not determined  
**Boiling Point/Range:** Not determined  
**Flash Point:** Not determined  
**Evaporation Rate:** Not determined  
**Flammability:** Not determined  
**Vapour Pressure:** Not determined  
**Vapour Density:** Not determined  
**Relative Density:** Approx. 0.7 g/mL (poured)  
**Solubility in Water:** Partially Soluble  
**Partition Coefficient:** Not determined  
**Auto-ignition Temperature:** Not determined  
**Decomposition Temperature:** Not determined  
**Viscosity:** Not determined

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Non-reactive under normal conditions.
<b>Stability:</b>	Stable under normal conditions.
<b>Incompatibilities:</b>	None known under normal processing.
<b>Hazardous decomposition products:</b>	CO, CO <sub>2</sub> on combustion only.
<b>Conditions to avoid:</b>	None known
<b>Materials to avoid:</b>	None known
<b>Hazardous Reactions:</b>	None known

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicity:</b>	Not considered a toxic substance.
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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Not available
<b>Degradability:</b>	Biodegradable

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods:</b>	Material is not considered hazardous. If possible, recover the product, otherwise dispose of in authorized landfill or incinerate in accordance with any local authority regulations and/or guidelines.
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## 14. TRANSPORT INFORMATION

<b>UN-Number:</b>	Not regulated.
<b>UN Proper Shipping Name:</b>	Not regulated.
<b>Transport Hazard Class(es):</b>	Not regulated.
<b>Packing Group:</b>	Not regulated.
<b>Environmental Hazard:</b>	None known.
<b>Transport in Bulk:</b>	Not regulated.
<b>Special Precautions:</b>	None known.

## 15. REGULATORY INFORMATION

<b>Regulatory Status:</b>	Non- regulated, non-hazardous material.
<b>Safety, Health &amp; Environmental Regulations:</b>	This product complies with: <ul style="list-style-type: none"><li>• Regulation (EC) no 1272/2008 (CLP) - not classified as hazardous</li><li>• Regulation (EC) no 1907/2006 (REACH) as amended by regulation (EU) 2020/878</li><li>• Exempt from titles ii, v, vi and vii of reach under article 25b (natural substances without chemical modification)</li></ul>
<b>Chemical Safety Assessment:</b>	A chemical safety assessment has not been conducted as the product: <ul style="list-style-type: none"><li>• Consists of natural kiwifruit powder (92.5%) with food-grade excipients</li><li>• Falls under REACH exemption for food substances (Article 2(5)(a))</li><li>• Meets EU food safety standards per Declaration for EU Regulations</li></ul>

## **16. ADDITIONAL INFORMATION**

**COUNTRY OF ORIGIN:** New Zealand

This information is provided for documentation purposes only.

This product is not considered hazardous.

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