Grin Pro Enzyme Whitening WITHOUT FLUORIDE + Nano HAP Toothpaste

Grin Natural Products Ltd

Safety Data Sheet according to GHS Classification

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product Name	Grin Pro Enzyme Whitening WITHOUT FLUORIDE + Nano HAP Toothpaste

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Personal use on skin, hair or other body parts as indicated by directions on packaging

Details of the supplier of the safety data sheet

Registered company name	Grin Natural Products Ltd
Address	Grin Natural Products Ltd PO Box 548 Shortland Street Auckland 1314 New Zealand
Telephone	094862988
Website	
Email	account@grinnatural.com

Emergency telephone number

Emergency telephone number	**111 (NZ), 000 (AU), 911 (USA), 999 (UK)**
Other emergency telephone numbers	**0800 764 766 (National Poison Centre - within NZ)**

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

This product meets the definition of the following hazard classes as defined by the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

GHS Classification	HSNO Classification
SKIN IRRITATION - Category 2	6.3A
EYE IRRITATION - Category 2	6.4A
SKIN SENSITIZATION - Category 1	6.5B

Label Elements

Hazard pictogram(s)	
SIGNAL WORD	**Warning**

Hazard statement(s)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H320	Causes eye irritation.

Precautionary statement(s) Prevention

P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray*.
P264	Wash hands, face and all exposed skin thoroughly after handling.

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Precautionary statement(s) Prevention

P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection*.

Precautionary statement(s) Response

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see advice on this label) OR Use a specific cleansing agent if appropriate.
P332+P313	If skin irritation occurs: Get medical advice/ attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P362	Take off contaminated clothing and wash before re-use.
P363	Wash contaminated clothing before reuse.

Precautionary statement(s) Storage

Precautionary statement(s) Disposal

P501	Dispose of contents/container in accordance with local, regional, national or international regulations.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

CAS No	%[weight]	Name
471-34-1	30 - 60%	Calcium Carbonate
56-81-5	30 - 60%	Glycerin
7732-18-5	10 - 30%	Water
87-99-0	1 - 10%	Xylitol
144-55-8	1 - 10%	Sodium Bicarbonate
110615-47-9	1 - 10%	Lauryl Glucoside
9000-07-1	1 - 10%	Carrageenan
- None -	< 1%	Aroma
1306-06-5	< 1%	Hydroxyapatite
14306-25-3 / 34367-89-0	< 1%	Sodium Phytate
7447-40-7	< 1%	Potassium Chloride
11138-66-2	< 1%	Xanthan Gum
9001-00-7 / 37189-34-7	< 1%	Bromelain
9001-73-4	< 1%	Papain
74-79-3 / 7200-25-1	< 1%	Arginine

SECTION 4. FIRST AID MEASURES

Description of first aid measures

Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing with water for at least 15 minutes. If eye irritation occurs seek medical advice.
Skin Contact	If irritation occurs: Immediately remove contaminated clothing. Rinse skin and hair with water followed by soap and water. If skin irritation conitnues seek medical advice.
Inhalation	If fumes or combustion products are inhaled remove from contaminated area/exposure. Keep at rest until fully recovered. If discomfort persists seek medical advice.
Ingestion	Immediately give a glass of water. Do NOT induce vomiting. Rinse mouth with water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media

Alcohol stable foam.
Dry chemical powder.
BCF (where regulations permit).
Carbon dioxide.
Water spray or fog - Large fires only.

Special hazards arising from the substrate or mixture

Flammability	NOT FLAMMABLE
Fire Incompatibility	Not Applicable

Advice for firefighters

Fire Fighting	May emit acrid smoke during decomposition. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Fire/Explosion Hazard	Not classified as flammable, but in case of fire: Evacuate area and contact emergency services. Toxic gases may evolve, when heated. Remain upwind and notify those downwind of hazard. Wear full protective equipment, including Self Contained Breathing Apparatus (SCBA), when combating fire. Use waterfog to cool intact containers and nearby storage areas.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

See Section 8

Environmental precautions

See Section 12

Methods and material for containment and cleaning up

Minor Spills	Clean up all spills immediately. Slippery when spilt. Avoid breathing vapours and contact with eyes. Contain and absorb spill with an inert dry material and dispose of in appropriate waste container.
Major Spills	Stop leak if without risk. Slippery when spilt. Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. Contain and absorb spill with an inert dry material and dispose of in appropriate waste container. No smoking, naked lights or ignition sources.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Safe handling	Avoid eye contact and prolonged skin contact. Avoid inhalation of vapour, mist or aerosols. Do not ingest.
Other Information	Keep the product in the original packaging away from light, heat and in dry place. Keep containers securely sealed. No smoking, naked lights or ignition sources.

Conditions for safe storage, including any incompatibilities

Suitable Container	Packaging as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.
Storage Incompatibility	Not Applicable

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

The New Zealand Workplace Exposure Standard has not determined values for this product. However New Zealand Workplace Exposure Standards (WES) are available for individual ingredients.

OCCUPATIONAL EXPOSURE LIMITS (OEL)
INGREDIENT DATA

Source	Ingredient	TWA	STEL	Peak	Notes
NZ Workplace Exposure Standard (WES)	Calcium Carbonate	10		Not Available	
NZ Workplace Exposure Standard (WES)	Glycerin	10 mg/m3 (mist)		Not Available	
NZ Workplace Exposure Standard (WES)	Water			Not Available	
NZ Workplace Exposure Standard (WES)	Xylitol			Not Available	
NZ Workplace Exposure Standard (WES)	Sodium Bicarbonate			Not Available	
NZ Workplace Exposure Standard (WES)	Lauryl Glucoside			Not Available	
NZ Workplace Exposure Standard (WES)	Carrageenan			Not Available	
NZ Workplace Exposure Standard (WES)	Aroma			Not Available	
NZ Workplace Exposure Standard (WES)	Hydroxyapatite			Not Available	
NZ Workplace Exposure Standard (WES)	Sodium Phytate			Not Available	
NZ Workplace Exposure Standard (WES)	Potassium Chloride			Not Available	
NZ Workplace Exposure Standard (WES)	Xanthan Gum			Not Available	
NZ Workplace Exposure Standard (WES)	Bromelain			Not Available	
NZ Workplace Exposure Standard (WES)	Papain			Not Available	
NZ Workplace Exposure Standard (WES)	Arginine			Not Available	

Exposure Controls

Appropriate engineering controls	DO NOT directly inhale concentrated vapours. Keep containers used when not in use. Use in well-ventilated areas. Mechanical extraction ventilation is recommended for poorly ventilated areas. Maintain vapour levels below the recommended exposure standard.
Personal protection	No personal protective equipment is normally required. When splashing is possible (bulk liquid) use chemical safety goggles. Maintain eye wash fountain and quick drench facilities in work areas.
Eye and face protection	Eye protection should be worn (safety glasses) to avoid product contacting the eyes.
Skin protection	Gloves (vinyl, rubber or plastic) are recommended to be worn when prolonged contact with the product is envisaged. Disposable gloves must not be latex.
Hands/feet protection	See Personal protection
Body protection	See Personal protection
Other protection	See Personal protection

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	thick off white paste-like consistency		
Physical state	Liquid	**Relative density (Water = 1)**	1.35 - 1.45 g/mL
Odour	Characteristic Odour	**Partition coefficient n-octanol/ water**	Not Available
Odour threshold	Not Available	**Auto-ignition temperature (°C)**	Not Available
pH (as supplied)	8.0 - 9.3	**Decomposition temperature**	Not Available
Melting point / freezing point (°C)	Not Available	**Viscosity (cSt)**	4/1.5 | 300000 - 360000
Initial boiling point and boiling range (°C)	Not Available	**Molecular weight (g/mol)**	Not Available
Flash point (°C)	203	**Taste**	Not Available
Evaporation rate	Not Available	**Explosive properties**	Not Available
Flammability (solid/gas)	Not Applicable	**Oxidising properties**	Not Available
Upper Explosive Limit (%)	Not Available	**Surface Tension (dyn/cm or mN/m)**	Not Available
Lower Explosive Limit (%)	Not Available	**Volatile Component (%vol)**	Not Available
Vapour pressure (kPa)	Not Available	**Gas group**	Not Available
Solubility in water	Not Available	**pH as a solution (1%)**	Not Available
Vapour density (Air = 1)	≤ 1.0	**VOC g/L**	Not Available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	See Section 7
Chemical stability	This product is stable when stored and used as directed.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Skin protection	See Section 7
Conditions to avoid	Keep away from heat, sparks and open flame. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Strong acids.
Hazardous decomposition products	Decomposes on heating and may produce toxic fumes of carbon monoxide (CO)), Carbon Dioxide (CO2), Sulphur oxides (SOx) and Nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

No adverse health effects are expected if the product is handled in accordance with this safety data sheet and the product label.

Inhaled	Not normally a hazard due to non-volatile nature of product The material can cause respiratory irritation in some people.
Ingestion	Harmful if swallowed. Swallowing may result in nausea, vomiting and irritation of the gastrointestinal tract.
Skin Contact	Long term or repeated skin contact may lead to skin irritation.
Eye	Material may cause eye irritation. Prolonged eye contact may cause inflammation characterised by a temporary redness of the conjunctiva (similar to windburn).
Chronic	No known acute or chronic toxicity from single or repeated exposure.

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SECTION 12. ECOLOGICAL INFORMATION

Toxicity	No ecological hazards are associated with this product.
Persistence and degradibility	No Information Available
Bio accumulative potential	No Information Available
Mobility in soil	No Information Available
Other adverse effects	Do not allow to penetrate the soil, water or storm sewers.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

No requirement for consumers / end users.	
Product / Packaging disposal	In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Recycle wherever possible. Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed. Bulk quantity must be disposed of in accordance with local bylaws.
Ensure that the hazardous substance is disposed in accordance with the Hazardous Substances (Disposal) Notice 2017	

Disposal Requirements

Packages that have been in direct contact with the hazardous substance must be only disposed if the hazardous substance was appropriately removed and cleaned out from the package. The package must be disposed according to the manufacturer's directions taking into account the material it is made of. Packages which hazardous content have been appropriately treated and removed may be recycled.
DO NOT deposit the hazardous substance into or onto a landfill or a sewage facility.

SECTION 14. TRANSPORT INFORMATION

Labels Required

Pictogram	
Marine Pollutant	No
HAZCHEM	

Land transport (UN)

	Land Transport (ADR/RID)	Air transport (IATA/CAO)	Sea transport (IMDG)
UN number			
UN proper shipping name			
Transport hazard class(es)			
Packing group			
Environmental hazard			
Special precautions for user			

Small Quantity Exemptions

Not classified as dangerous goods under IATA Special Provision A197 when transported in single or combination packaging's containing a net quantity per single or inner packaging of 5L or less for liquids, or having a net mass of 5kg or less for solids. Are not subject to any other provisions of these regulations provided the packaging's meet the general provisions of the standard.
This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture

This substance can be managed under the conditions specified in an applicable Group Standard.
All ingredients are listed on the New Zealand Inventory of Chemicals (NZIoC)

HSR Number	Group Standard
HSR002552, Cosmetic Products Group Standard 2020	

SECTION 16. OTHER INFORMATION

Classification of the preparation and its individual components has drawn on our knowledge and review using available literature references. The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered. This document is not intended to be an all inclusive document on world wide hazard communications regulations.

Definitions and abbreviations

TWA: Time Weighted Average
STEL: Short Term Exposure Limit

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