

## MAGNESIUM STEARATE – SAFETY DATA SHEET

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

#### PRODUCT IDENTIFIER

Product name (as labelled)	Magnesium Stearate
Uses	Used as dusting powder, lubricant in making tablets, drier in paints and varnishes, flattening agent, in medicines, stabiliser and lubricant for plastics, emulsifying agent in cosmetics, dietary supplement.

#### DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd
Address	626A Rosebank Road, Avondale 1026
Telephone	+649 8135619
Website	www.pureingredients.co.nz
Email	compliance@pureingredients.co.nz

#### EMERGENCY TELEPHONE NUMBER

Association / Organisation	0800 CHEMCALL / 800 243 622 (24hr)
Emergency telephone numbers	111
Other emergency telephone numbers	0800 764 766

### SECTION 2 HAZARDS IDENTIFICATION

**HSNO Hazard Classification:** 6.1E (oral), 6.3A, 6.4A, 6.9 (respiratory)

Hazardous Nature: This product is classified as hazardous under HSNO criteria.



**Pictogram:**

**Signal Word:** **WARNING**

#### HAZARD STATEMENT:

H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H315 Causes skin irritation.  
H303 May be harmful if swallowed.

#### PREVENTION:

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P271 Use only outdoors or in a well-ventilated area.  
P261 Avoid breathing dust/fumes.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### RESPONSE:

P312 Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.  
P321 Specific treatment (see advice on this label).  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS No.	% by weight
Magnesium stearate	557-04-0	100

### SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Inhalation	Remove to fresh air. Remove contaminated clothing and loosen remaining clothing. Encourage patient to blow nose to clear breathing passages. Rinse mouth with water. Drink to remove dust from throat. Seek medical attention if effects persist.
Skin Contact	Remove contaminated clothing. Wash affected area with plenty of Soap and water for at least 15 minutes. If irritation, swelling or redness occur seek medical assistance. Wash clothing before reuse.
Eye Contact	Flash with copious amounts of water for 15 minutes. Ensure irrigation under the eyelids by occasionally lifting upper and lower eyelids. In all cases of eye contamination, it is sensible precaution to seek medical advice.
Ingestion	Rinse mouth with water. Give water to drink. Do NOT induce vomiting. If symptoms develop, seek medical attention.

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## SECTION 5 FIREFIGHTING MEASURES

Extinguishing media	Water fog, dry chemical, carbon dioxide or foam. Do NOT use water spray as it may be ineffective and is not recommended.
Special hazards in the event of fire	Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
Protection for fire-fighters	Fire fighters should wear a positive-pressure self-contained breathing apparatus and protective fire fighting clothing.
Fire and Explosion Hazard	Magnesium Stearate powder in air, plus an ignition source is a potential dust explosion hazard.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid accidents, clean up immediately. Slippery when spilt. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Use clean, non-sparking tools and equipment.
Environmental precautions	Do NOT let product reach drains or waterways.
Methods and materials for containment and cleaning up	Use an industrial vacuum to collect spilled material. Transfer to a suitable, labelled container and dispose of promptly.

## SECTION 7 HANDLING AND STORAGE

Handling	<p>Avoid all personal contact, including inhalation.  Wear protective clothing when risk of exposure occurs.  Use in a well-ventilated area.  Prevent concentration in hollows and sumps.  DO NOT enter confined spaces until atmosphere has been checked.  DO NOT allow material to contact humans, exposed food or food utensils.  Organic powders when finely divided over a range of concentrations regardless of particulate size or shape and suspended in air or some other oxidizing medium may form explosive dust-air mixtures and result in a fire or dust explosion (including secondary explosions)  Minimise airborne dust and eliminate all ignition sources. Keep away from heat, hot surfaces, sparks, and flame.  Establish good housekeeping practices.  Remove dust accumulations on a regular basis by vacuuming or gentle sweeping to avoid creating dust clouds.  Use continuous suction at points of dust generation to capture and minimise the accumulation of dusts. Particular attention should be given to overhead and hidden horizontal surfaces to minimise the probability of a "secondary" explosion.</p>
Storage	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred. Adequate ventilation should be provided so that exposure limits are not exceeded.
Personal Protective Equipment (PPE)	Respirator: wear half face particle filter respirator with P3 cartridge if dust exceeds exposure standard. Eyes: Safety glasses with side shields. Hands: Wear cotton gloves. Clothing: Long-sleeved protective clothing/overalls and safety footwear.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid free flowing powder.	Lower and upper explosion limit	No data availavle.
Odour	Refer to Product Specification.	Vapour pressure	No data availavle.
Melting point	120-150 °C	Solubility	No data availavle.
Boiling point or initial boiling	No data availavle.	Auto-ignition temperature	No data availavle.
Flash point	No data availavle.	Specific Density	1.03 +/-0.10
Flammability	No data availavle.	Relative Molecular Mass	

**SECTION 10 STABILITY AND REACTIVITY**

General Information	Does not present specific fire hazard but will burn if ignited.
Chemical Stability	Product is stable under normal conditions of use, storage and temperature.
Possibility of hazardous reactions	May evolve carbon monoxide fumes if ignited.

**SECTION 11 TOXICOLOGICAL INFORMATION**

Acute toxicity: Inhalation (rat): LC50 > 2gm/m<sup>3</sup>

Chronic: Long term exposure to high concentrations may cause increased mucous flow in the nose and respiratory airways. This condition usually disappears after exposure ceases.

Eye Irritant: Dust may irritate the eyes in the capacity of a foreign body, no damage caused.

Inhalation: Breathing dust may irritate the nose and throat. May cause coughing and chest discomfort. No permanent damage caused.

**SECTION 12 ECOLOGICAL INFORMATION**

Ecotoxicity: No data available.

Persistence and degradability: No data available.

Bio accumulative potential: No data available.

Mobility in soil: Is biodegradable and will not harm soil.

**SECTION 13 DISPOSAL CONSIDERATION**

Disposal method: Dispose of in accordance with local, state and federal regulations. All empty packaging should be disposed of in accordance with local, state and federal regulations or recycled/reconditioned at an approved facility.

**SECTION 14 TRANSPORT INFORMATION**

UN Number: No data available.

UN Proper Shipping Name: Magnesium Stearate.

Transport Hazard Class: No data available.

Packing Group: No data available.

**SECTION 15 REGULATORY INFORMATION**

HSNO Approval Number: HSR002503

Environmental Protection Authority (New Zealand): Hazardous Substances and New Organisms Amendment Act 2015.

**SECTION 16 OTHER INFORMATION**

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product, but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Reference: supplier's SDS.

Version: 00 Revision Date: 01/10/2020: PIL SDS, New issue.