

## Safety Data Sheet

<b>SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING</b>
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**1.1 Product Identifier****Product Name:**

PRIME FILTER POWDER

Synthetic amorphous magnesium silicate, with molar ratio  
(SiO<sub>2</sub>:MgO) range of 1.4-4  
01-2119556793-27-0002

**Chemical Name:****REACH Registration No.****1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**

**Product Use:** Industrial Uses: Refer to Section 7.3 for additional information  
**Uses Advised Against:** None identified

**1.3 Details of the Supplier of the Safety Data Sheet****Corporate Site:**

Henny Penny Corporation 1219 U.S. Route 35  
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937-456-8400  
800-417-8417

**Production Sites:**

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**SDS Date of Preparation:** Month: 4 Day: 17 Year: 2023

#### 1.4 Emergency Telephone Number: When calling, please provide Access Code 335693.

Call Region: Americas		Call Region: Asia Pacific	
Argentina*	+54 11 5219 8871	China**	+86 4001 2001 74
Brazil*	+55 11 4349 1907	China/Asia Pacific**	+86 4001 2035 72
Chile*	+56 44 8905208	Indonesia*	001 803 015 203 9774
Colombia*	+57 601 344 1317	Japan	+81 368908677
Mexico*	+52 55 41696225	Korea*	080 880 0455
Peru*	+51 1 708 5593	Malaysia	+60 015 4 877 0772
Americas Non-Specific	+1 760 476 3961	Philippines	+63 2 83953471
United States & Canada	+1 866 519 4752	Singapore	+65 3158 6734
Call Region: Europe		Thailand	+66 21056177
Australia*	+61 280363166	Asia Pacific Non-Specific	+1 760 476 3960
Australia (English)*	+61 1 800 686 951	Call Region: Middle East - Africa	
Great Britain	+44 20 35147487	Middle East/Africa	+1 760 476 3959
United Kingdom*	800 680 0425	Call Region: Non-Region Specific	
United Kingdom (English)	+44 8 08 189 0979	New Zealand***	+64 800 451719
Europe Non-Specific	+1 760 476 3962	Non-Region Specific	+1 760 476 3971
Updated 9/12/2022			
* Countries that require a local emergency number			
** Use number in conjunction w/NRCC after the materials have been properly registered w/NRCC			
*** Countries that recommend a local emergency number			

#### Poison Centre

Country	Organisation/Company	Address	Emergency number
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111
Ireland	National Poisons Information Service (Beaumont Hospital)	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the Substance or Mixture

**EU CLP Classification (No 1272/2008):** Not classified as a hazardous substance.

### 2.2 Label Elements

No labeling required

### 2.3 Other Hazards:

None. Not classified as PBT or vPvB.

This generic Safety Data Sheet has been provided for information purposes only. Since this product is not classified as hazardous, according to Article 31 of the REACH Regulation (EC) 1907/2006 there is no obligation to provide a SDS for this material.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Chemical Name	CAS No. EINECS # REACH Reg. No.	CLP Classification 1272/2008 M Factors Specific Concentration Limits (SCE) Acute Toxicity Estimates (ATE)	%
Synthetic amorphous magnesium silicate, with molar ratio (SiO <sub>2</sub> :MgO) range of 1.4-4	1343-88-0 - 01-2119556793-27-0002	Not classified as hazardous Substance with a Member State Exposure Limit	100

ECHA assigned List Number 701-065-4 to CAS No. 1343-88-0.

See Section 16 for further information on CLP Classification.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of First Aid Measures

**Eye:** Flush with plenty of water. Obtain medical attention if irritation persists.

**Skin:** No first aid should be needed. Wash off with soap and water. Get medical attention if irritation develops.

**Inhalation:** If irritation develops, remove victim to fresh air. Get medical attention if irritation persists.

**Ingestion:** No first aid should be required. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if large amount is swallowed.

### 4.2 Most Important symptoms and effects, both acute and delayed:

Poses little or no health hazard. May mild, abrasive irritation to the eyes, skin and respiratory tract.

### 4.3 Indication of any immediate medical attention and special treatment needed:

None required.

## SECTION 5: FIRE FIGHTING MEASURES

**5.1 Extinguishing Media:**

Use any extinguishing media that is suitable for the surrounding fire.

**5.2 Special Hazards Arising from the Substance or Mixture**

**Unusual Fire and Explosion Hazards:** This material is not combustible and presents no fire hazard.

**Hazardous Decomposition Products:** None.

**5.3 Special Protective Actions for Fire-Fighters:**

**Special Fire Fighting Procedures:** None required.

**Fire Fighting Equipment:** None required. Use procedures and equipment appropriate for other materials in the fire area.

<b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>
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**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear appropriate protective equipment. Avoid creating and breathing dust.

**6.2 Environmental Precautions:**

Avoid unintentional release to the environment.

**6.3 Methods and Material for Containment and Cleaning Up:**

Sweep or vacuum spilled material; the use of a sweeping compound/dust suppressant is suggested. Dampening with water can reduce dust.

**6.4 Reference to Other Sections:**

Refer to Section 8 for protective equipment. Refer to Section 13 for disposal guidance.

<b>SECTION 7: HANDLING AND STORAGE</b>
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**7.1 Precautions for Safe Handling:**

Avoid contact with the eyes. Avoid creating and breathing dust.

A considerable static electrical charge can be built up during mechanical handling which may become a hazard in atmospheres containing flammable vapours. Advice on the control of static is given in British Standard BS 5958.

**7.2 Conditions for Safe Storage, Including any Incompatibilities**

Dry Storage. Keep containers closed when not in use.

**7.3 Specific end use(s):** Pharmaceuticals, Cosmetics, Detergents, builders and stabilizers, construction industry additive, chemicals and agrochemicals, adsorbent, food additives, hygiene and sanitary products, anti-caking agents for fertilizer, polyol purification, edible oil purification.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters:

Chemical Name	Exposure Limits
Synthetic amorphous magnesium silicate, with molar ratio (SiO <sub>2</sub> :MgO) range of 1.4-4 (as particulates not otherwise specified)	5 mg/m <sup>3</sup> (respirable) TWA France 10 mg/m <sup>3</sup> (inhalable) TWA France 1.5 mg/m <sup>3</sup> (respirable) TWA Germany (DFG) 4 mg/m <sup>3</sup> (inhalable) TWA Germany (DFG) 5 mg/m <sup>3</sup> (respirable) TWA USA 5 mg/m <sup>3</sup> (total) TWA USA 4 mg/m <sup>3</sup> (respirable) 10 mg/m <sup>3</sup> (inhalable) TWA UK WEL

Refer to local regulations for specific requirements.

#### DNEL:

Workers - Hazard via inhalation route  
 Systemic effects  
 Long term exposure - DNEL: 194 mg/m<sup>3</sup>  
 Acute/short term exposure – DNEL: 1166 mg/m<sup>3</sup>  
 Workers - Hazard via dermal route  
 Systemic effects  
 Long term exposure – DNEL: 56 mg/kg bw/day  
 Acute/short term exposure – DNEL: 333 mg/kg bw/day

#### PNEC:

PNEC aqua (freshwater): 10 mg/L (AF 1000)  
 PNEC aqua (marine water): 1 mg/L (AF 10000)  
 PNEC aqua (intermittent releases): 100 mg/L (AF 100)  
 Sediment/Sewage Treatment Plant: No PNEC quantifiable due to high tolerance in acute testing

### 8.2 Exposure Controls:

**Engineering Controls:** Use with adequate general or local ventilation to minimize airborne exposures.

**Eye and Face:** Follow facility requirements. Dust goggles recommended for dusty conditions. For dusty conditions, wear appropriate safety glasses with side shields or chemical goggles as described by the European Standard EN 166.

**Personal Protective Equipment must comply with Reg (EU) 2016/425**

**Skin:** None required.

**Respiratory:** Not necessary if workplace concentrations of hazardous constituents are below recommended limits. If the exposure levels are excessive, a local authority approved respirator should be worn. Respirator selection and use should be based on contaminant type, form and concentration in compliance with national law and the European Standard EN 149..

**Protective Clothing:** None required under normal use conditions.

**Work Hygienic Practices:** No special requirements.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic Physical and Chemical Properties:

<b>Physical State:</b> Solid	<b>Colour:</b> White powder
<b>Odour:</b> Odourless	<b>Odour Threshold:</b> Not applicable
<b>pH:</b> 7.0-10.8 (10% slurry)	<b>Relative Density:</b> 2.1-2.2
<b>Boiling Point/Range:</b> Not applicable	<b>Melting/Freezing Point:</b> 1910°C (3470°F)
<b>Relative Vapour Pressure:</b> Not applicable	<b>Water Solubility:</b> 127-268 mg/L (expressed as total oxides) @30°C
<b>Vapour Density:</b> Not applicable	<b>Evaporation Rate:</b> Not applicable
<b>Kinematic Viscosity:</b> Not applicable	<b>Particle Characteristics:</b> Not applicable
<b>Flash Point:</b> None	<b>Explosive Limits: LEL:</b> None
<b>Autoignition Temperature:</b> None	<b>Explosive Limits: UEL:</b> None
<b>Percent Volatile:</b> 0%	<b>Flammability (liquid/solid/gas):</b> None
<b>Partition Coefficient: n-octanol/water:</b> Not applicable	<b>Decomposition Temperature:</b> None
<b>Median Particle Size:</b> 10-100 micrometers	

#### 9.2.1 Other Information:

None.

#### 9.2.2 Other safety characteristics:

No relevant information available

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity:

Not reactive

#### 10.2 Chemical Stability:

Stable under normal conditions

#### 10.3 Possibility of Hazardous Reactions:

None known.

#### 10.4 Conditions to Avoid:

None known.

#### 10.5 Incompatible Materials:

None known.

#### 10.6 Hazardous Decomposition Products:

None.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on Toxicological Effects:

**Eye:** Dust may cause temporary discomfort.

**Skin:** No hazardous effects expected. Dust may have a drying effect on the skin.

**Skin Absorption:** No evidence of adverse effects from available information.

**Ingestion:** May cause gastrointestinal discomfort if ingested in large quantities. The lethal dose in humans for magnesium silicate if estimated at over 15000 mg/kg. Magnesium silicate is a permitted food additive in the UK, USA and many other countries.

**Inhalation:** Not hazardous effects expected. Magnesium silicate is considered to be a nuisance dust and does not produce significant disease or toxic effect when exposure is kept below the recommended limits. However, existing medical conditions (eg. Asthma, bronchitis) may be

aggravated by exposure to dust. Effects of exposure may be greater, and occur at lower levels of exposure in smokers compared to non-smokers.

**Chronic Toxicity:** No adverse effects expected.

**Acute Toxicity Data:**

LD50 oral rat >5000 mg/kg. LD50 dermal rabbit >2000 mg/kg (no adverse effects were observed at maximum dose). LC50 inhalation rat >20 mg/L/1 hour (no adverse effects were observed).

**Skin corrosion/irritation:** Based on available data, the classification criteria are not met. Not irritating to rabbit skin.

**Eye damage/ irritation:** Based on available data, the classification criteria are not met. Not irritating to rabbit eyes (OECD 405).

**Skin Sensitization:** Based on available data, the classification criteria are not met. Not a skin sensitizer based on human experience.

**Respiratory Sensitization:** Based on available data, the classification criteria are not met. This material is not listed as a potential carcinogen by IARC or EU CLP Annex VI. No data available. Not expected to be a respiratory sensitizer based on human experience.

**Germ Cell Mutagenicity:** Based on available data, the classification criteria are not met. Based on data from a supporting substance, this material is not expected to cause germ cell mutagenicity.

**Carcinogenicity:** Based on available data, the classification criteria are not met. This material is not listed as a potential carcinogen by IARC or EU CLP Annex VI. Based on data from similar materials, this material is not expected to increase the risk of cancer.

**Developmental / Reproductive Toxicity:** Based on available data, the classification criteria are not met. Based on data from similar materials, this material is not expected to cause adverse effects on reproduction or development.

**Specific Target Organ Toxicity (Single Exposure):** Based on available data, the classification criteria are not met. No adverse effects were observed in an acute inhalation toxicity study.

**Specific Target Organ Toxicity (Repeated Exposure):** Based on available data, the classification criteria are not met. Based on data from similar materials, this material is not expected to cause toxic effects on repeated exposure. NAOEL oral rat 9000 mg/kg bw/d (by analogy).

**Aspiration Hazard:** Based on available data, the classification criteria are not met.

## 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

None known

### 11.2.2 Other Information

No relevant data available

## SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity:

Based on test data for similar substances, this material is not expected to be toxic to aquatic organisms.

Fish (brachydanio rerio) LL50 >10000 mg/L/96h (read-across)

Aquatic invertebrates (daphnia magna) EL50 >10000 mg/L/24h (read-across)

Algae (*Scenedesmus subspicatus*) NOEL = 10000 mg/L (read across)

#### 12.2 Persistence and Degradability:

Biodegradation is not applicable for inorganic substances.

#### 12.3 Bioaccumulative Potential:

Not expected to bioaccumulate.

#### 12.4 Mobility in Soil:

No mobility in soil is expected.

#### 12.5 Results of PBT and vPvB Assessment:

This Substance does not meet PBT or vPvB criteria under Annex XIII of REACH.

#### 12.6 Endocrine disrupting properties:

Not known.

#### 12.7 Other Information:

Not known

### SECTION 13: DISPOSAL INFORMATION

#### 13.1 Waste Treatment Methods

**Disposal Method:** In the form supplied, magnesium silicate is not classified as a hazardous waste in the EU. Magnesium silicate may undergo normal non-hazardous waste disposal.

Dispose in accordance with all local, state and federal regulations.

**Empty Container:** No special handling or disposal is required.

**General Comments:** It is the responsibility of the user of this product to characterize wastes generated to determine if the waste meets the definition of hazardous waste. The product uses, transformations, synthesis, mixtures, etc., may render the resulting end product subject to regulation. See Section 16 for additional information on filter cakes.

### SECTION 14: TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	None	Not regulated	None	None	Not applicable
EU ADR/RID	None	Not regulated	None	None	Not applicable
IMDG	None	Not regulated	None	None	Not applicable
IATA/ICAO	None	Not regulated	None	None	Not applicable

#### 14.6 Special Precautions for User:

None

#### 14.7 Transport in Bulk According to IMO instruments:

Not determined



**SECTION 15: REGULATORY INFORMATION****15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:**

**Other EU Regulations:** This product is classified and labeled in accordance with Regulation (EC) No 1272/2008. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 (REACH) as amended.

**German WGK:** nwg

**Chemical Inventories:**

**US TSCA** All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or are exempt.

**Canadian CEPA:** All of the components are listed on the Canadian DSL or are exempt.

**EU EINECS:** All of the components are listed on the EINECS inventory or are exempt.

**Australia:** All of the components are listed on the AICS inventory or are exempt.

**China:** All the components are listed on the Chinese chemical inventory or are exempt.

**Philippines:** All the components are listed in the Philippine Inventory.

**New Zealand:** All of the components are listed on the New Zealand Inventory of Chemicals.

**Korea:** All of the components are listed on the Korean Existing Chemicals Inventory

**Japan:** All the components are listed on the Japan Inventory of existing chemicals.

**15.2 Chemical Safety Assessment:**

A Chemical Safety Assessment has been carried out for this substance. Exposure scenario are not required (REACH Article 14(4)).

**SECTION 16: OTHER INFORMATION**

**Template ID:** DGIJ-RG16-1051\_Reach\_SDS\_English\_rev3.5

Classification of mixture based on method of Article 9.1 of Regulation (EC) No 1272/2008

International Numbering System (INS) number: 553i

European Union E number: E553a(i)

**Note:** In sufficient quantity, a filter cake composed of a flammable organic liquid absorbed on synthetic magnesium silicate or other filter materials such as diatomaceous earth, Perlite, or natural clays may be self-heating or possibly pyrophoric.

**GHS/CLP Hazard Classes and Statements for Reference (See Sections 2 and 3):**

None

**Revision History:** Changes to comply with (EU) 2020/878 – Sections 1, 3, 7, 8, 9, 11, 12, 14, 15.

**References:**

- A. REACH Registration Dossier 2013
- B. NLM Hazardous Substances Databank
- C. Magnesium silicate is not listed in:
  - 1. IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, 2013
  - 2. Industrial Hygiene and Toxicology, F. A. Patty
  - 3. Industrial Toxicology, Alice Hamilton and Harriet Hardy
  - 4. Toxicology of the Eye, W. Morton Grant

5. Dangerous Properties of Industrial Materials, Sax and Lewis
  6. Government Publications:
    - a. NIOSH/OSHA Pocket Guide to Chemical Hazards
    - b. Registry of Toxic Effects of Chemical Substances
    - c. The Industrial Environment - It's Evaluation and Control
  7. Annex VI to Regulation (EC) No 1272/2008
- =====

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