



### SAFETY DATA SHEET

## 1. Identification

Product Name: MagSil PR  
 Product Code: MAG  
 SDS Date: 3/1/2019  
 Use: Adsorbent, filter aid, lipid separation

Address: BVV  
 1251 Frontenac Rd. Ste 150  
 Naperville IL 60563  
 Phone: (331) 281-0154

CHEMTEL: (800) 255-3924

## 2. Hazard(s) Identification

### Classification of the Mixture

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 and WHMIS 2015.

Component(s) Contributing to Classification(s): Silica acid, magnesium salt

Pictogram



Signal Word: Warning

GHS Hazard Classification: Eye Irritation Category 2A

### Hazard Statement

H319: May cause serious eye irritation

### Prevention Statement(s):

P264: Wash skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

### Response Statement(s):

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.

### Storage Statement(s):

None Applicable

### Disposal Statement(s):

None Applicable

Hazards Not Otherwise Classified: None Applicable.

## 3. Composition/Information On Ingredients

Name	CAS #	WT%	GHS Classification
------	-------	-----	--------------------

## 4. First-aid Measures

<b>Description of First Aid Measures:</b>	Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and SDS to health professional with contaminated individual.
<b>If Inhaled:</b>	If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.
<b>In Case of Skin Contact:</b>	Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.
<b>In Case of Eye Contact:</b>	If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.
<b>If Swallowed:</b>	If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.
<b>Most Important Symptoms and Effects, Both Acute and Delayed:</b>	May cause eye irritation.
<b>Medical Conditions Aggravated by Exposure:</b>	This material or its emissions may aggravate pre-existing disorders involving any target organs mentioned in this Safety Data Sheet as being at risk.
<b>Indications of Any Immediate Medical Attention and Special Treatment Needed:</b>	Treat symptoms and reduce over-exposure.

## 5. Fire-fighting Measures

<b>Extinguishing Media:</b>	Water, Dry powder / dry sand, alcohol-resistant foam, dry chemical or CO2.
<b>Specific Hazards Arising from the Chemical:</b>	None known. <span style="float: right;">Explosion</span> Sensitivity to Mechanical Impact: Not Sensitive. Explosion Sensitivity to Static Discharge: Not Sensitive. Minimum Ignition Energy (M.I.E.): No Data at this time
<b>Special Firefighting Procedure:</b>	Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

HAZARD	HMIS	NFPA
Health	1	1
Flammability	0	0
Physical Hazard	0	0
Personal Protection	X	-

## 6. Accidental Release Measures

**Methods and Materials for Containment and Clean Up:**

Pick up released product with appropriate implements & return to original container if reusable, or dispose. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

**Environmental Precautions:**

Do not let product enter drains, do not allow to sewers/surface or ground water. See Section 12, Ecological information.

**Small Spill:**

Sweep or vacuum material. Transfer to secondary container to be properly disposed.

**Large Spill:**

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Notify proper authorities that a spill has occurred.

## 7. Handling and Storage

**General Procedures:**

Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feeding stuffs.

**Safe Handling:**

Avoid dust formation. Provide sufficient air exchange and/or exhaust in work rooms. In case of insufficient ventilation, wear suitable respiratory equipment. For personal protection see section 8. Handle and open container with care. If you require advice on safe handling techniques or specific uses, please contact your supplier.

**Safe Storage:**

Keep only in the original container. Keep containers tightly closed in a cool, well-ventilated place.

**Specific End Uses:**

Adsorbent, filter aid, lipid separation.

## 8. Exposure Controls/Personal Protection

Name	CAS		
Silica Acid, Magnesium Salt	OSHA TWA	OSHA STEL	ACGIH STEL
Not Listed	Not Listed	Not Listed	Not Listed

**Ventilation and Engineering Control:**

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

**Eye/Face Protection:**

Safety glasses are required. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

**Skin Protection:**

Use protective gloves as appropriate to minimize skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

**Body Protection:**

Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

**Respiratory Protection:**

Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**Exposure Controls:**

Currently, International exposure limits are established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

## 9. Physical and Chemical Properties

**Physical State:**

Silica Acid, Magnesium Salt

Solid (powder)

<b>Appearance:</b>	Silica Acid, Magnesium Salt	White powder
<b>Odor:</b>	Silica Acid, Magnesium Salt	Odorless
<b>Odor Threshold:</b>	Silica Acid, Magnesium Salt	Not Available
<b>pH:</b>	Silica Acid, Magnesium Salt	Not Available
<b>Melting/Freezing Point:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Initial Boiling Point/Range:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Flash Point:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Evaporation Rate:</b>	Silica Acid, Magnesium Salt	Not Available
<b>Flammability:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Flammable Limits:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Explosive Properties:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Oxidising Properties:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Vapor Pressure:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Vapor Density:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Relative Density:</b>	Silica Acid, Magnesium Salt	Not Available
<b>Water Solubility:</b>	Silica Acid, Magnesium Salt	Insoluble
<b>Partition Coefficient:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Auto Ignition Temp:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Decomposition Temp:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Viscosity:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Specific Gravity 44°C (Water=1)</b>	Silica Acid, Magnesium Salt	2.51
<b>VOC:</b>	Silica Acid, Magnesium Salt	Not Applicable
<b>Weight Per Gallon:</b>	Silica Acid, Magnesium Salt	Not Applicable

## 10. Stability and Reactivity

<b>Reactivity:</b>	No Data is Available.
<b>Chemical Stability:</b>	Product is stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions:</b>	No Data is Available.
<b>Conditions to Avoid:</b>	No Data is Available.
<b>Incompatible Materials:</b>	Strong acids, Hydrogen fluoride
<b>Hazardous Decomposition Products:</b>	No Data is Available.

## 11. Toxicological Information

<b>Name:</b> Silica Acid, Magnesium Salt LD50 Oral – Rat > 5000 mg/kg	<b>CAS:</b> 1343-88-0
<b>Irritancy of Product:</b>	Exposure with this product can be irritating to exposed eyes.
<b>Sensitization of Product:</b>	This product is not considered a skin sensitizer.

<b>Aspiration Hazard:</b>	This product is not anticipated to be an aspiration hazard.
<b>Germ Cell Mutagenicity:</b>	This product does not contain components which are documented as Germ Cell Mutagenicity hazards.
<b>Carcinogenicity:</b>	Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.
<b>Reproductive:</b>	This product does not contain components which are documented as reproductive hazards.
<b>Specific Target Organ Toxicity- Single Exposure:</b>	No specific data available for this product.
<b>Specific Target Organ Toxicity- Repeated Exposure:</b>	No specific data available for this product.

## 12. Ecological Information

### ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION

Name	CAS	Toxicity
Silica Acid, Magnesium Salt	1343-88-0	No specific data available on this product.
<b>Persistence and Degradability:</b>		No specific data available on this product.
<b>Bioaccumulative Potential:</b>		No specific data available on this product.
<b>Mobility in Soil:</b>		No specific data available on this product.
<b>Results of PBT and vPvB assessment:</b>		No specific data available on this product.
<b>Other adverse effects:</b>		No specific data available on this product.

## 13. Disposal Considerations

### Product Disposal:

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

### Comments:

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional/local authority requirements.

## 14. Transportation Information

<b>Proper Shipping Name:</b>	Not Regulated
<b>Hazard Class</b>	N/A
<b>Identification Number:</b>	N/A
<b>Packing Group:</b>	N/A
<b>Label</b>	N/A
<b>Ship:</b>	N/A

## 15. Regulatory Information

<b>Name</b>	<b>CAS</b>
Silica Acid, Magnesium Salt	1343-88-0
<b>SARA 302/304/313</b>	This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.
<b>TSCA</b>	All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.
<b>CERCLA</b>	CERCLA Reportable Quantity RQ: None
<b>Clean Water Act</b>	None of the chemicals in this product are listed as Hazardous Substances under the CWA.
<b>SARA 311/312</b>	Acute Health: Yes Chronic Health: No Fire: No Reactivity: No
<b>PROP 65</b>	This product does not contain chemicals on the Prop 65 list.
<b>State Regulations</b>	None.
<b>Canadian Regulations:</b>	
<b>Canadian DSL/NDSL Inventory Status</b>	All of the components of this product are on the DSL Inventory
<b>Canadian Environmental Protection Act (CEPA) Priorities Substances List</b>	No component of this product is on the CEPA First Priorities Substance Lists.
<b>Canadian WHMIS Classification and Symbols</b>	This product is categorized as per WHMIS 2015 Controlled

## 16. Other Information, Including Date of Preparation or Last Revision

SDS Date:

3/1/2019

**Disclaimer:** The information and recommendations contained in the Safety Data Sheet (SDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof. BVV, however, makes no representation as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the information will be required to make their own determination as to its suitability for their purposes prior to use. In no event will BVV be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. User assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE, ARE MADE BY BVV HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this SDS. The ultimate compliance with federal, state or local regulations concerning the use of this compound, or compliance with respect to product liability, rests solely upon the purchaser thereof. This information relates to the material designated and may not be valid for such material used in combination with any other materials nor in any process.