

Safety Data Sheet

Magnapur Series

SDS No. 9644.3

Date of Preparation: 10/19/16

Revision: 11/29/18

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Magnapur Series

Recommended use of the chemical: Polymer processing, flame retardant additive, and PVC stabilizer.

Restrictions on use: None identified.

Supplier: Marshall Additive Technologies

Division of the R. J. Marshall Company

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Date Revised: 11/29/18

Preparer: Stephanie Nichols

Section 2 - Hazards Identification

Classification of the chemical in accordance with paragraph (d) of 1910.1200: Non-hazardous

Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 (CLP): Not classified

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not classified

Signal Word: None

Hazard Pictogram: None

Hazard Statements: None

Precautionary Statements: None

Other hazards: None

HMIS Rating: H: 1 F: 0 R: 0

Section 3 - Composition / Information on Ingredients

Ingredient Name	CAS Number	Percent by Weight
Magnesium Hydroxide	1309-42-8	98-100%
Coating	-----	0-2%

Impurities and stabilizing additions: None

Section 4 - First Aid Measures

Description of necessary measures, subdivided according to the different routes of exposure:

Inhalation: Remove victim to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice if cough or other symptoms appear.

Eye Contact: Rinse with plenty of running water for 15 minutes occasionally lifting the upper and lower eyelids. Remove contact lenses if easily possible. Seek medical advice if irritation develops and persists.

Skin Contact: Wash affected skin area with plenty of water and soap thoroughly while removing contaminated clothing and shoes. Seek medical advice if irritation develops and persists.

Ingestion: Seek medical advice if the victim feels unwell. Wash out mouth with plenty of water and give 2-4 cupfuls of water or milk to drink. Never give anything by mouth to an unconscious person. Induce vomiting.

Note to Physicians: Treat symptomatically.

Most important symptoms and effects, both acute and delayed:

Inhalation: Dust can cause temporary irritation of respiratory tract with pain in chest and shortness of breath.

Eye Contact: Can cause irritation, redness, tearing, burning.

Skin Contact: Can cause irritation, drying, chapping.

Ingestion: Rinse out mouth with plenty of water and spit out the fluid. After swallowing large amounts: induce vomiting.

Indication of any immediate medical attention and special treatment needed: None anticipated.

Section 5 - Fire-Fighting Measures

Suitable Extinguishing Media: Not combustible. All types of extinguishing agent permitted.

Unsuitable Extinguishing Media: None known.

Special hazards arising from the substance or mixture: None known.

Hazardous Combustion Products: None.

Fire-Fighting Instructions: In the event of a fire, wear a self-contained breathing apparatus and a chemical protective suit.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Wear appropriate personal protective equipment during cleaning. Avoid contact with eyes and skin. Avoid inhalation. Avoid dust formation.

Environmental precautions: Avoid large quantities entering sewer system.

Methods and materials for containment and cleaning up: Sweep up into suitable containers for recovery or disposal.

Section 7 - Handling and Storage

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Provide good ventilation in process area to prevent formation of dust.

Conditions for safe storage, including any incompatibilities: Store in a dry place. Keep containers tightly closed, material is hygroscopic.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Use local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits.

Respiratory Protection: Dust mask.

Protective Clothing/Equipment: Wear safety glasses and gloves as necessary.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Exposure Limits:

Ingredient	OSHA PEL		ACGIH	
	TWA	STEL	TWA	STEL
Magnesium Hydroxide as Particulates not otherwise classified	15 mg/m ³ total dust 5 mg/m ³ respirable	None established	None established	None established

Section 9 - Physical and Chemical Properties

Physical State: powder

Appearance and Odor: white odorless

Odor Threshold: n/a

pH: 10 (saturation concentration in water)

Freezing/Melting Point: decomposes

Boiling Point: decomposes

Flash Point: None known.

Flash Point Method: n/a

Evaporation Rate: n/a

Flammability: Non-flammable.

Upper/lower flammability or explosive limits: not flammable

Vapor Pressure: n/a

Vapor Density (Air=1): n/a

Formula Weight: n/a

Relative Density: 2.4

Solubility: Slightly soluble in water. Soluble in mineral acid.

Partition coefficient: n-octanol/water; not applicable

Decomposition Temp: 350°C (662°F)

Viscosity: n/a

Section 10 - Stability and Reactivity

Reactivity: Reacts vigorously with strong acids.

Chemical Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions: None known.

Conditions to Avoid: To avoid thermal decomposition, do not overheat. Temperatures above 350°C (662°F).

Incompatible materials: Acids; pH <1

Hazardous Decomposition Products: Hazardous decomposition will not occur.

Section 11- Toxicological Information

Information on the likely routes of exposure: Inhalation, Eye, Skin

Symptoms related to the physical, chemical, and toxicological characteristics:

Inhalation: May cause irritation, cough.

Eye: May cause irritation through mechanical abrasion.

Skin: May cause irritation through mechanical abrasion.

Ingestion: No symptoms at low dose levels, but may be nausea, vomiting at high dose levels.

Delayed and immediate effects and also chronic effects from short- and long-term exposure: None known.

Numerical measures of toxicity:

Acute Toxicity: Magnesium Hydroxide is categorized by the US FDA as a Generally Recognized As Safe (GRAS) food ingredient.

LD50 oral (rat): 8500 mg/kg

Skin corrosion/Irritation: Can cause temporary irritation

Serious eye damage/eye irritation: Can cause temporary irritation

Skin sensitization: Not a skin sensitizer

Sub-acute toxicity: No information available.

Germ cell mutagenicity: Not mutagenic

Reproductive toxicity: None known

STOT-single exposure: None known

STOT-repeat exposure: None known

Carcinogenicity: Not carcinogenic by NTP, IARC, OSHA, or ACGIH.

Section 12 - Ecological Information

Eco-toxicity: Not toxic to the environment.

Persistence and degradability: Not readily biodegradable.

Bio-accumulative potential: Not applicable.

Mobility in soil: No additional information available.

Results of PBT and vPvB assessment: not applicable.

Section 13 - Disposal Considerations

Disposal: Recycle if possible or landfill. This substance is inert and does not require special disposal methods. Follow applicable Federal, state, and local regulations.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101): This product is not classified as dangerous under the transport regulations for road, rail, sea, or air transport.

UN Number: not regulated

UN proper shipping name: n/a

Transport hazard class: n/a

Packing group: n/a

Environmental hazards: n/a

Special precautions for user: n/a

Transport in bulk according to Annex II or MARPOL 73/78 and the IBC code: n/a

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)
 RCRA Hazardous Waste Classification: Not classified
 CERCLA Hazardous Substance (40 CFR 302.4) Not listed
 SARA Toxic Chemical (40 CFR 372.65): Not listed
 SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

TSCA

This substance or all of its components are on the Chemical Substances Inventory of the Toxic Substance Control Act (TSCA Inventory [USA]). Please note that this product is not subject to any legal reporting requirements under these acts.

INTERNATIONAL REGULATIONS

Australia: Listed on AICS. Canadian Domestic Substances List: Listed Canada WHMIS: Uncontrolled product China: Listed on IECSC Europe: Listed on EINECS, # 215-170-3. REACH: Natural grades: exempt Precipitated grades: 01-2119488756-18-xxxx EEC International Cosmetics Ingredients Inventory (INCI): absorbent/buffering Germany: Water hazard classification VwVwS	Japan: Listed on ENCS # 1-386. Korea: Listed on ECL, # KE-22716. New Zealand: Listed on NZIoC Philippines: Listed on PICCS Switzerland: Listed on Giftliste 1, #G-8166, toxic category 4. Taiwan NECI: Listed Turkey: Listed
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Section 16 - Other Information

Prepared By: Stephanie Nichols

Revision Notes: updated product codes

Product Grades Available from the R. J. Marshall Company (this list may be incomplete):

MGP-P5	MGP-P7	MPG-P7SC	MGP-P10	MGP-P10VC
MGP-N2	MGP-N2SC	MGP-N4	MGP-N4SC	

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