

# SAFETY DATA SHEET

according to Regulation (EC) No.1907/2006

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## Material Safety Data Sheet

### Magnesium Ascorbyl Phosphate msds

#### Section 1: Identification of the Substance/Preparation and of the Company/Undertaking

##### Identification of the substance or preparation

<b>Product Name</b>	:	Magnesium Ascorbyl Phosphate
<b>INCI Name</b>	:	Magnesium Ascorbyl Phosphate
<b>Synonym</b>	:	L-Ascorbic acid 2-phosphate sesquimagnesium salt; Magnesium-L-ascorbyl-2-phosphate
<b>Brand</b>	:	MC-MAP
<b>Product Number</b>	:	C02007S
<b>CAS#</b>	:	113170-55-1
<b>Origin</b>	:	Biotechnological
<b>Use of the substance/preparation</b>	:	Skin whitening/lightening agent

##### Company/undertaking identification

###### **M.C.Biotec Inc.**

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#### Section 2: Hazards Identification

##### **Emergency Overview**

###### **OSHA Hazards**

No known OSHA hazards

Not a dangerous substance according to GHS.

###### **HMIS Classification**

<b>Health hazard:</b>	0
<b>Flammability:</b>	0
<b>Physical hazards:</b>	0

**NFPA Rating**

**Health hazard:** 0  
**Fire:** 0  
**Reactivity Hazard:** 0

**Potential Health Effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.  
**Skin** May be harmful if absorbed through skin. May cause skin irritation.  
**Eyes** May cause eye irritation.  
**Ingestion** May be harmful if swallowed.

**Section 3: Composition and Information on Ingredients**

Formula :  $C_6H_6Mg_{1.5}O_9P$   
Molecular Weight : 289.54 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
Magnesium Ascorbyl Phosphate			
113170-55-1	-	-	100%

**Section 4: First Aid Measures**

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact**

Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Section 5: Fire Fighting Measures**

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**Hazardous combustion products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Oxides of phosphorus, Magnesium oxide

**Section 6: Accidental Release Measures****Personal precautions**

Avoid dust formation. Avoid breathing vapors, mist or gas.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Section 7: Handling and Storage****Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.

Store, (+15 to +25° C), in original sealed containers.

**Section 8: Exposure Controls/Personal Protection**

Contains no substances with occupational exposure limit values.

**Personal protective equipment****Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95(US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures**

General industrial hygiene practice.

**Specific engineering controls**

Use mechanical exhaust or laboratory fumehood to avoid exposure.

**Section 9: Physical and Chemical Properties**

**Appearance**

Form	powder
Colour	White to off-white

**Safety data**

pH	7.0-8.5 ( 3% solution)
Specific rotation $[\alpha]_{D20}$	+43 - +50°(C=3)
Melting point /freezing point	N/A
Boiling point	N/A
Flash point	N/A
Ignition temperature	N/A
Autoignition Temperature	N/A
Lower explosion limit	N/A
Upper explosion limit	N/A
Vapour pressure	N/A
Specific Gravity	1.76/cm <sup>3</sup>
Solubility in Water (%)	154g/l @ 20°C
Partition coefficient: n-octanol/water	N/A
Relative vapour density	N/A
Odour	Odorless
Odour Threshold	Faint
Evaporation rate	N/A

N/A = not available

**Section 10: Stability and Reactivity****Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

no data available

**Conditions to avoid**

Heat and lighted areas

**Materials to avoid**

Acids, Bases, oxidizers

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Oxides of phosphorus, Magnesium oxide

Other decomposition products - no data available

**Hazardous Polymerization**

Will not occur under normal conditions and storage.

**Section 11: Toxicological Information****Acute toxicity****Oral LD50**

LD50 (oral, rat) > 2000 mg/kg

**Dermal LD50**

LD50 (dermal, rat) >2000 mg/kg

**Inhalation LC50**

no data available

**Other information on acute toxicity**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

no data available

**Teratogenicity**

no data available

**Specific target organ toxicity - single exposure (Globally Harmonized System)**

no data available

**Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

no data available

**Aspiration hazard**

no data available

**Potential health effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion** May be harmful if swallowed.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Synergistic effects**

no data available

**Additional Information**

RTECS: Not available

**Section 12: Ecological Information**

**Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

**Section 13: Disposal Considerations****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

**Section 14: Transport Information****DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**Section 15: Regulatory Information****OSHA Hazards**

No known OSHA hazards

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the

threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

No SARA Hazards

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Section 16: Other Information**

**Further information**

*The information above is based on our present knowledge. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. Users should make their own investigations to determine the suitability of the information for their particular purposes.*

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