

SAFETY DATA SHEET: Magnesium Carbonate
REVISED: 03/09/2016



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: Magnesium Carbonate Dry Pigment
Product Description: Dry pigment
Intended Use: Fine art painting and decorative coatings

COMPANY

Company Name: Gamblin Artists Colors
Company Address: 323 SE Division Pl.
 Portland, OR 97202
 USA
Company Phone: 503-235-1945
Emergency Phone: Local Emergency Room

SECTION 2: HAZARDS IDENTIFICATION

GHS HAZARD CLASSIFICATION: NOT CLASSIFIED

GHS LABEL ELEMENTS:

SIGNAL WORD: NO SIGNAL WORD

LABEL CODES / PICTOGRAMS:

NO PICTOGRAMS

HAZARD STATEMENTS: NONE UNDER GHS CLASSIFICATION

PRECAUTIONARY STATEMENTS

PREVENTION: Observe good industrial hygiene practices.

RESPONSE: Wash hands after handling.

STORAGE: Store away from incompatible materials.

DISPOSAL: Dispose of waste and residues in accordance with local authority requirements.

HAZARD(S) NOT OTHERWISE CLASSIFIED (HNOC)

SUPPLEMENTAL INFORMATION None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS:

Chemical Name	Common Name	CAS#	Concentration 0(%)
Magnesium Carbonate		546-93-0	100

SECTION 4: FIRST AID MEASURES

FIRST AID/RESPONSE

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Eyes: IF IN EYES RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. GET MEDICAL ADVICE/ATTENTION IF IRRITATION OCCURS.

Skin: IF ON SKIN PROMPTLY WASH OFF WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ADVICE/ATTENTION IF IRRITATION OCCURS. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Inhalation: IF INHALED REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. GET MEDICAL ADVICE/ATTENTION IF ANY ADVERSE SYMPTOMS OCCUR.

Ingestion: IF SWALLOWED RINSE MOUTH WITH WATER, THEN DRINK WATER TO DILUTE. INDUCE VOMITING ONLY UNDER THE DIRECTION OF MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH IF THE VICTIM IS UNCONSCIOUS. GET MEDICAL ATTENTION IF LARGE QUANTITY IS INGESTED OR IF YOU FEEL UNWELL.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

Coughing

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5: FIRE FIGHTING MEASURES

FIRE FIGHTING

Suitable Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire Fighting equipment/instructions: Use water spray to cool unopened containers.

Specific methods: Use standard firefighting procedures and consider the hazards of the other involved materials.

General fire hazards: No unusual fire or explosion hazards noted.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

Environmental Precautions:

Avoid discharge into drains, water courses or onto the ground.

Methods for clean up: Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Observe good industrial hygiene practices.

Cautions for Safe Storage:

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

Occupational Exposure Limits

U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Material	Type	Value	Form
Magnesium Carbonate (CAS 546-93-0)	PEL	5 mg/m ³ 15mg/m ³	Respirable fraction. Total dust.

U.S. NIOSH: Pocket Guide to Chemical Hazards

Material	Type	Value	Form
Magnesium Carbonate (CAS 546-93-0)	TWA	5 mg/m ³ 10mg/m ³	Respirable. Total

Biological limit values

Appropriate engineering controls:

No biological exposure limits noted for the ingredient(s).

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Skin Protection - Hand	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Skin Protection - Other	Wear suitable protective clothing.
Eye/face Protection	Wear safety glazes with side shields (or goggles).
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical: Solid
 Form: Solid
 Color: White
 Odor: Odorless

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Odor Threshold: Odorless
 pH: Neutral
 Melting/freezing point: 1814 °F (990 °C)
 Boiling Point/Range: Not available.
 Flash Point: Not available.
 Evaporation Rate: Not available.
 Flammability (solid, gas) Not available.
Upper/lower flammability or exposure limits:
 Flammability limit - lower (%) Not available.
 Flammability limit - upper (%) Not available.
 Explosive limit - lower (%) Not available.
 Explosive limit - upper (%) Not available.
 Vapor Pressure: p.0000005 kPa at 25 °C
 Vapor Density: Not available.
 Relative Density: Not available.
 Solubility in water: 0.1 g/l
 Partition coefficient (n-octanol/water) Not available.
 Auto-ignition temperature Not available.
 Decomposition temperature Not available.
 Viscosity Not available.
Other information
 Density: 1.00 lbs/gal
 Explosive Qualities: Not explosive
 Molecular formula C-H2-03. Mg
 Molecular weight 84.32 g/mol
 Oxidizing properties Not oxidizing
 Specific Gravity: 0.12

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions of use, storage and transport
Chemical Stability: Material is stable under normal conditions.
Possibility of Hazardous Reactions: None.
Conditions/Materials to Avoid: Contact with incompatible materials.
Incompatible materials: Acids
Hazardous Decomposition Products: No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

Inhalation No adverse effects due to inhalation are expected.
Skin contact No adverse effects due to skin contact are expected.
Eye contact Direct contact with eyes may cause temporary irritation.
Ingestion Expected to be a low ingestion hazard.

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

Information on toxicological effects:

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Acute Toxicity Not available.

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation: Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization: Not a respiratory sensitizer.

Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than the 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity
 Not Available

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
 Not listed.

U.S. National Toxicology Program (NTP) Report on Carcinogens
 Not Available.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence & Degradability: No data is available on the degradability of this product.

Bioaccumulative Potential: No data available

Mobility in soil: No data available

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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SECTION 14: TRANSPORT INFORMATION

DOT Not regulated as dangerous goods.
 DOT information on packaging may be different from that listed.

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations: This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.
SARA 304 Emergency release information	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

SARA 302 Extremely Hazardous Substance - Not listed

SARA 311/312 Hazardous Chemical - Yes

SARA 313 (TRI reporting) - Not regulated

Other Federal Regulations

US California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 111100) - Not listed.

US Massachusetts RTK - Substance List - Magnesium Carbonate (CAS 546-93-0)

US New Jersey Worker and Community Right-to-Know Act - Magnesium Carbonate (CAS 546-93-0)

US Pennsylvania Worker and Community Right-to-Know Law - Not listed.

US Rhode Island RTK - Not regulated.

US California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). This material is not known to contain any chemicals listed as carcinogens or reproductive toxins.

International Inventories:

Country(s) or region	Inventory name	On inventory? (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical	Yes

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	Substances (EINECS)	
Europe	European List of Existing Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
US & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16: OTHER INFORMATION

HMIS Ratings

Health	0
Flammability	0
Reactivity	0

NFPA Ratings

Health	1
Flammability	0
Reactivity	0

The information and recommendations contained herein are, to the best of Gamblin's knowledge and belief, accurate and reliable, but it is not warranted to be. You can contact Gamblin to ensure that this document is the most current available. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use and it is the user's responsibility to carefully read the product label and follow instructions for safe use of the product.