

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: MARMOLINE POWDER COLOUR GREEN
 Chemical family: copper-phthalocyanine pigment, halogenated

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: Natural colorants (pigments) in powder

1.3. Details of the supplier of the safety data sheet

NORDIA S.A.
 364 Kifisias Av.
 15233 Chalandri - Greece
 Phone.: +30 22950 22225 -
 Fax: +30 22950 22120
 info@marmoline.gr
 www.marmoline.gr

1.4. Emergency telephone number +30 22950 22225 / Greek poison center +30 2107793777

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture.

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]: Not classified
 Classification according to Directive 67/548/EEC [DSD]: Not classified

Label elements.

Hazard pictograms: Not applicable
 Signal words: No signal word

Emergency overview

Use with local exhaust ventilation.
 Wear protective clothing.
 Avoid inhalation of dusts..

Potential health effects

Primary routes of exposure:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Signs and symptoms of overexposure:

No significant reaction of the human body to the product known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number	Content (W/W)	Chemical name
1328-53-6	≥ 15.0 - ≤ 20.0 %	Trade Secret: 489909-5254-P-CL
	≥ 75.0 - ≤ 80.0 %	C.I. Pigment Green 7
	≥ 75.0 - ≤ 80.0 %	COPPER COMPOUNDS

SECTION 4: FIRST AID MEASURES

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention

Wash thoroughly with soap and water.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

Seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: FIREFIGHTING MEASURES

Flash point: Not applicable

Autoignition: > 300°C (DIN 51794)

Flammability: not highly flammable (UN Test N.1 (ready combustible solids))

Suitable extinguishing media: dry powder, foam

Unsuitable extinguishing media for safety reasons: carbon dioxide

Additional information: Avoid whirling up the material/product because of the danger of dust explosion.

Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid dust formation. Use personal protective clothing.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

SECTION 7: HANDLING AND STORAGE

Handling

General advice:

Breathing must be protected when large quantities are decanted without local exhaust ventilation

Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed and dry; store in a cool place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Advice on system design:

Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields. Wear face shield if splashing hazard exists.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Eye wash fountains and safety showers must be easily accessible. Wash soiled clothing immediately

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form: granules
Odour: product specific
Colour: green
pH value: 8 - 10 (as suspension)
Melting point: > 100 °C
Vapour pressure: not applicable
Relative density: No data available.
Bulk density: 500 - 600 kg/m³
Miscibility with water: (15 °C) miscible
Solubility in other solvents: insoluble

SECTION 10: STABILITY AND REACTIVITY

Conditions to avoid:

Avoid dust formation. Avoid deposition of dust. Avoid sources of ignition.
No conditions known that should be avoided.

Substances to avoid:

No substances known that should be avoided.

Hazardous reactions:

Dust explosion hazard.

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

> 100 °C

Corrosion to metals:

No corrosive effect on metal.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Oral:

Type of value: LD50
Species: rat
Value: > 2,000 mg/kg

Inhalation:

Type of value: LC50
not determined

Dermal:

Type of value: LD50
not determined

Irritation / corrosion

Skin:

MARMOLINE POWDER COLOUR GREEN

Species: rabbit
Result: non-irritant
Method: Draize test

Eye:

Species: rabbit
Result: non-irritant
Method: Draize test

Aspiration Hazard:

not applicable

Other Information:

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

SECTION 12: ECOLOGICAL INFORMATION

Fish

Acute:
static
Oncorhynchus mykiss/LC50 (96 h): 100 - 500 mg/l
Practically nontoxic.
static
Lepomis macrochirus/LC50 (96 h): > 100 mg/l
Practically nontoxic.

Chronic:
No data available.

Aquatic invertebrates

Chronic:
No data available.

Aquatic plants

Toxicity to aquatic plants:
algae/EC50 (72 h):
not determined

Microorganisms

Toxicity to microorganisms:
DIN 38412 Part 27 (draft) EC10: > 1,000 mg/l

Degradability / Persistence

Biological / Abiological Degradation

Evaluation: The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant

MARMOLINE POWDER COLOUR GREEN**Other adverse effects:**

The product has not been tested. The statement has been derived from the properties of the individual components.

SECTION 13: DISPOSAL CONSIDERATIONS**Waste disposal of substance:**

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

Container disposal:

Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA: None

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

Not dangerous cargo

Keep separated from foodstuffs.

SECTION 15: REGULATORY INFORMATIONEU Regulation (EC) No. 1907/2006 (REACH)

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable

OSHA hazard category: OSHA PEL established; ACGIH TLV established

EPCRA 311/312 (Hazard categories): Not hazardous

SECTION 16: OTHER INFORMATION**HMIS III rating**

Health: 1 Flammability: 1 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

Abbreviations and acronyms:

- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- REACH: EC Regulation 1907/2006

The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this security data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -